

CALPOST Version 6.221 Level 080724

Internal Coordinate Transformations by --- COORDLIB Version: 1.99 Level: 070921

Run Title:
Cleco, Brame Energy Center
CANNEY CREEK WILDERNESS AREA CALPOST 2003
VISIBILITY METHOD 8

INPUT GROUP: 1 -- General run control parameters

Option to run all periods found
in the met. file(s) (METRUN) Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below
METRUN = 1 - Run all periods in CALPUFF data file(s)

Starting date: Year (ISYR) -- No default ! ISYR = 2003 !
Month (ISMO) -- No default ! ISMO = 1 !
Day (ISDY) -- No default ! ISDY = 1 !
Starting time: Hour (ISHR) -- No default ! ISHR = 0 !
Minute (ISMIN) -- No default ! ISMIN = 0 !
Second (ISSEC) -- No default ! ISSEC = 0 !

Ending date: Year (IEYR) -- No default ! IEYR = 2003 !
Month (IEMO) -- No default ! IEMO = 12 !
Day (IEDY) -- No default ! IEDY = 31 !
Ending time: Hour (IEHR) -- No default ! IEHR = 0 !
Minute (IEMIN) -- No default ! IEMIN = 0 !
Second (IESEC) -- No default ! IESEC = 0 !

(These are only used if METRUN = 0)

All times are in the base time zone of the CALPUFF simulation.
CALPUFF Dataset Version 2.1 contains the zone, but earlier versions
do not, and the zone must be specified here. The zone is the
number of hours that must be ADDED to the time to obtain UTC (or GMT).
Identify the Base Time Zone for the CALPUFF simulation
(BTZONE) -- No default ! BTZONE = 6.0 !

Process every period of data?
(NREP) -- Default: 1 ! NREP = 1 !
(1 = every period processed,
2 = every 2nd period processed,

5 = every 5th period processed, etc.)

Species & Concentration/Deposition Information

Species to process (ASPEC) -- No default ! ASPEC = VISIB !
(ASPEC = VISIB for visibility processing)

Layer/deposition code (ILAYER) -- Default: 1 ! ILAYER = 1 !
'1' for CALPUFF concentrations,
'-1' for dry deposition fluxes,
'-2' for wet deposition fluxes,
'-3' for wet+dry deposition fluxes.

Scaling factors of the form: -- Defaults: ! A = 0.0 !
 $X(\text{new}) = X(\text{old}) * A + B$ A = 0.0 ! B = 0.0 !
(NOT applied if A = B = 0.0) B = 0.0

Add Hourly Background Concentrations/Fluxes?
(LBACK) -- Default: F ! LBACK = F !

Source of NO₂ when ASPEC=NO₂ (above) or LVNO₂=T (Group 2) may be from CALPUFF NO₂ concentrations OR from a fraction of CALPUFF NO_x concentrations. Specify the fraction of NO_x that is treated as NO₂ either as a constant or as a table of fractions that depend on the magnitude of the NO_x concentration:

(NO₂CALC) -- Default: 1 ! NO₂CALC = 1 !
0 = Use NO₂ directly (NO₂ must be in file)
1 = Specify a single NO₂/NO_x ratio (RNO₂NO_x)
2 = Specify a table NO₂/NO_x ratios (TNO₂NO_x)
(NOTE: Scaling Factors must NOT be used with NO₂CALC=2)

Single NO₂/NO_x ratio (0.0 to 1.0) for treating some or all NO_x as NO₂, where [NO₂] = [NO_x] * RNO₂NO_x
(used only if NO₂CALC = 1)
(RNO₂NO_x) -- Default: 1.0 ! RNO₂NO_x = 1.0 !

Table of NO₂/NO_x ratios that vary with NO_x concentration. Provide 14 NO_x concentrations (ug/m³) and the corresponding NO₂/NO_x ratio, with NO_x increasing in magnitude. The ratio used for a particular NO_x concentration is interpolated from the values provided in the table. The ratio for the smallest tabulated NO_x concentration (the first) is used for all NO_x concentrations less than the smallest tabulated value, and the ratio for the largest tabulated NO_x concentration (the last) is used for all NO_x concentrations greater than the largest tabulated value.
(used only if NO₂CALC = 2)

NO_x concentration(ug / m³)
(CNOX) -- No default
! CNOX = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0,
8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0 !

NO₂/NO_x ratio for each NO_x concentration:
(TNO₂NO_x) -- No default

! TNO2NOX = 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,
1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0 !

Source information

Option to process source contributions:

- 0 = Process only total reported contributions
- 1 = Sum all individual source contributions and process
- 2 = Run in TRACEBACK mode to identify source
contributions at a SINGLE receptor
(MSOURCE) -- Default: 0 ! MSOURCE = 0 !

Plume Model Output Processing Options

Output from models other than CALPUFF and CALGRID can be written in the CONC.DAT format and processed by CALPOST. Plume models such as AERMOD typically do not treat CALM hours, and do not include such hours in multiple-hour averages, with specific rules about how many calm hours can be removed from an average. This treatment is known as CALM PROCESSING. Calm periods are identified from wind speeds in the meteorological data file for the application, which must be identified in Input Group 0 as the single-point meteorological data file MET1DAT.

- 0 = Option is not used for CALPUFF/CALGRID output files
- 1 = Apply CALM processing procedures to multiple-hour averages
(MCALMPRO) -- Default: 0 ! MCALMPRO = 0 !

Format of Single-point Met File

- 1 = AERMOD/AERMET SURFACE file
(MET1FMT) -- Default: 1 ! MET1FMT = 1 !

Receptor information

Gridded receptors processed? (LG) -- Default: F ! LG = F !
Discrete receptors processed? (LD) -- Default: F ! LD = T !
CTSG Complex terrain receptors processed?
(LCT) -- Default: F ! LCT = F !

--Report results by DISCRETE receptor RING?
(only used when LD = T) (LDRING) -- Default: F ! LDRING = F !

--Select range of DISCRETE receptors (only used when LD = T):

Select ALL DISCRETE receptors by setting NDRECP flag to -1;
OR

Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each

- 0 = discrete receptor not processed
- 1 = discrete receptor processed

using repeated value notation to select blocks of receptors:

23*1, 15*0, 12*1

Flag for all receptors after the last one assigned is set to 0

(NDRECP) -- Default: -1

! NDRECP = 80*1, 40*0!

--Select range of GRIDDED receptors (only used when LG = T):

X index of LL corner (IBGRID) -- Default: -1 ! IBGRID = -1 !
(-1 OR 1 <= IBGRID <= NX)

Y index of LL corner (JBGRID) -- Default: -1 ! JBGRID = -1 !
(-1 OR 1 <= JBGRID <= NY)

X index of UR corner (IEGRID) -- Default: -1 ! IEGRID = -1 !
(-1 OR 1 <= IEGRID <= NX)

Y index of UR corner (JEGRID) -- Default: -1 ! JEGRID = -1 !
(-1 OR 1 <= JEGRID <= NY)

Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1

--Specific gridded receptors can also be excluded from CALPOST processing by filling a processing grid array with 0s and 1s. If the processing flag for receptor index (i,j) is 1 (ON), that receptor will be processed if it lies within the range delineated by IBGRID, JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be processed in the run. By default, all array values are set to 1 (ON).

Number of gridded receptor rows provided in Subgroup (1a) to identify specific gridded receptors to process

(NGONOFF) -- Default: 0 ! NGONOFF = 0 !

!END!

Subgroup (1a) -- Specific gridded receptors included/excluded

Specific gridded receptors are excluded from CALPOST processing by filling a processing grid array with 0s and 1s. A total of NGONOFF lines are read here. Each line corresponds to one 'row' in the sampling grid, starting with the NORTHERNMOST row that contains receptors that you wish to exclude, and finishing with row 1 to the SOUTH (no intervening rows may be skipped). Within a row, each receptor position is assigned either a 0 or 1, starting with the westernmost receptor.

0 = gridded receptor not processed

1 = gridded receptor processed

Repeated value notation may be used to select blocks of receptors:

23*1, 15*0, 12*1

Because all values are initially set to 1, any receptors north of the first row entered, or east of the last value provided in a row, remain ON.

(NGXRECP) -- Default: 1

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)

Test visibility options specified to see
if they conform to FLAG 2008 configuration?

(MVISCHECK) -- Default: 1 ! MVISCHECK = 1 !

0 = NO checks are made

1 = Technical options must conform to FLAG 2008 visibility guidance

ASPEC = VISIB

LVNO2 = T

NO2CALC = 1

RNO2NOX = 1.0

MVISBK = 8

M8_MODE = 5

Some of the data entered for use with the FLAG 2008 configuration
are specific to the Class I area being evaluated. These values can
be checked within the CALPOST user interface when the name of the
Class I area is provided.

Name of Class I Area (used for QA purposes only)

(AREANAME) -- Default: User ! AREANAME = CACR !

Particle growth curve f(RH) for hygroscopic species

(MFRH) -- Default: 4 ! MFRH = 4 !

1 = IWAQM (1998) f(RH) curve (originally used with MVISBK=1)

2 = FLAG (2000) f(RH) tabulation

3 = EPA (2003) f(RH) tabulation

4 = IMPROVE (2006) f(RH) tabulations for sea salt, and for small and
large SULFATE and NITRATE particles;

Used in Visibility Method 8 (MVISBK = 8 with M8_MODE = 1, 2, or 3)

Maximum relative humidity (%) used in particle growth curve

(RHMAX) -- Default: 98 ! RHMAX = 95 !

Modeled species to be included in computing the light extinction

Include SULFATE? (LVSO4) -- Default: T ! LVSO4 = T !

Include NITRATE? (LVNO3) -- Default: T ! LVNO3 = T !

Include ORGANIC CARBON? (LVOC) -- Default: T ! LVOC = T !

Include COARSE PARTICLES? (LVPMC) -- Default: T ! LVPMC = T !

Include FINE PARTICLES? (LVPMF) -- Default: T ! LVPMF = T !

Include ELEMENTAL CARBON? (LVEC) -- Default: T ! LVEC = T !

Include NO2 absorption? (LVNO2) -- Default: F ! LVNO2 = T !

With Visibility Method 8 -- Default: T

FLAG (2008)

And, when ranking for TOP-N, TOP-50, and Exceedance tables,

Include BACKGROUND? (LVBK) -- Default: T ! LVBK = T !

Species name used for particulates in MODEL.DAT file

COARSE (SPECPMC) -- Default: PMC ! SPECPMC = PMC !
FINE (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m**3)

MODELED particulate species:

PM COARSE (EELMC) -- Default: 0.6 ! EELMC = 0.6 !

PM FINE (EELMF) -- Default: 1.0 ! EELMF = 1 !

BACKGROUND particulate species:

PM COARSE (EELMCBK) -- Default: 0.6 ! EELMCBK = 0.6 !

Other species:

AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4 = 3 !

AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3 = 3 !

ORGANIC CARBON (EEOC) -- Default: 4.0 ! EEOC = 4 !

SOIL (EESOIL) -- Default: 1.0 ! EESOIL = 1 !

ELEMENTAL CARBON (EEEC) -- Default: 10. ! EEEC = 10 !

NO2 GAS (EENO2) -- Default: .1755 ! EENO2 = 0.1755 !

Visibility Method 8:

AMMONIUM SULFATE (EESO4S) Set Internally (small)

AMMONIUM SULFATE (EESO4L) Set Internally (large)

AMMONIUM NITRATE (EENO3S) Set Internally (small)

AMMONIUM NITRATE (EENO3L) Set Internally (large)

ORGANIC CARBON (EEOCS) Set Internally (small)

ORGANIC CARBON (EEOCL) Set Internally (large)

SEA SALT (EESALT) Set Internally

Background Extinction Computation

Method used for the 24h-average of percent change of light extinction:

Hourly ratio of source light extinction / background light extinction

is averaged? (LAVER) -- Default: F ! LAVER = F !

Method used for background light extinction

(MVISBK) -- Default: 8 ! MVISBK = 8 !

FLAG (2008)

- 1 = Supply single light extinction and hygroscopic fraction
 - Hourly F(RH) adjustment applied to hygroscopic background and modeled sulfate and nitrate
- 2 = Background extinction from speciated PM concentrations (A)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
- 3 = Background extinction from speciated PM concentrations (B)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 4 = Read hourly transmissometer background extinction measurements
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX

in place of an hourly RH factor (VISB.DAT file is NOT needed).
Enter the 12 monthly factors here (RHFAC). Month 1 is January.

(RHFAC) -- No default ! RHFAC = 3.3, 3.0, 2.7, 2.8,
3.2, 3.2, 3.0, 3.0,
3.2, 3.2, 3.1, 3.3 !

Additional inputs used for MVISBK = 7:

The weather data file (DATSAV abbreviated space-delimited) that is identified as VSRN.DAT may contain data for more than one station. Identify the stations that are needed in the order in which they will be used to obtain valid weather and visual range. The first station that contains valid data for an hour will be used. Enter up to MXWSTA (set in PARAMS file) integer station IDs of up to 6 digits each as variable IDWSTA, and enter the corresponding time zone for each, as variable TZONE (= UTC-LST).

A prognostic weather data file with Bext for weather events may be used in place of the observed weather file. Identify this as the VSRN.DAT file and use a station ID of IDWSTA = 999999, and TZONE = 0.

NOTE: TZONE identifies the time zone used in the dataset. The DATSAV abbreviated space-delimited data usually are prepared with UTC time rather than local time, so TZONE is typically set to zero.

(IDWSTA) -- No default * IDWSTA = 000000 *
(TZONE) -- No default * TZONE = 0. *

Additional inputs used for MVISBK = 2,3,6,7,8:

Background extinction coefficients are computed from monthly CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3), coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and elemental carbon (BKEC). Month 1 is January.
(ug/m**3)

(BKSO4) -- No default ! BKSO4 = 0.23, 0.23, 0.23, 0.23,
0.23, 0.23, 0.23, 0.23,
0.23, 0.23, 0.23, 0.23 !

(BKNO3) -- No default ! BKNO3 = 0.10, 0.10, 0.10, 0.10,
0.10, 0.10, 0.10, 0.10,
0.10, 0.10, 0.10, 0.10 !

(BKPMC) -- No default ! BKPMC = 3.00, 3.00, 3.00, 3.00,
3.00, 3.00, 3.00, 3.00,
3.00, 3.00, 3.00, 3.00 !

(BKOC) -- No default ! BKOC = 1.80, 1.80, 1.80, 1.80,
1.80, 1.80, 1.80, 1.80,
1.80, 1.80, 1.80, 1.80 !

(BKSOIL) -- No default ! BKSOIL = 0.50, 0.50, 0.50, 0.50,
0.50, 0.50, 0.50, 0.50,
0.50, 0.50, 0.50, 0.50 !

(BKEC) -- No default ! BKEC = 0.02, 0.02, 0.02, 0.02,
0.02, 0.02, 0.02, 0.02,
0.02, 0.02, 0.02, 0.02 !

Additional inputs used for MVISBK = 8:

Extinction coefficients for hygroscopic species (modeled and background) may be computed using hourly RH values and hourly modeled concentrations, or using monthly RH values inferred from the RHFAC adjustment factors and either hourly or daily modeled concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment factors and either hourly or daily modeled concentrations.

(M8_MODE) -- Default: 5 ! M8_MODE= 5 !
FLAG (2008)

- 1 = Use hourly RH values from VISB.DAT file with hourly modeled and monthly background concentrations.
- 2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH) tabulation with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).

Background extinction coefficients are computed from monthly CONCENTRATIONS of sea salt (BKSALT). Month 1 is January. (ug/m**3)

(BKSALT) -- No default ! BKSALT= 0.03, 0.03, 0.03, 0.03,
0.03, 0.03, 0.03, 0.03,
0.03, 0.03, 0.03, 0.03 !

Extinction coefficients for hygroscopic species (modeled and background) can be computed using monthly RH adjustment factors in place of an hourly RH factor (VISB.DAT file is NOT needed). Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA). Month 1 is January. (Used if M8_MODE = 4 or 5)

Small ammonium sulfate and ammonium nitrate particle sizes (RHFSML) -- No default ! RHFSML= 3.85, 3.44, 3.14, 3.24,
3.66, 3.71, 3.49, 3.51,
3.73, 3.72, 3.68, 3.88 !

Large ammonium sulfate and ammonium nitrate particle sizes (RHFLRG) -- No default ! RHFLRG= 2.77, 2.53, 2.37, 2.43,
2.68, 2.71, 2.59, 2.60,
2.71, 2.69, 2.67, 2.79 !

Sea salt particles (RHFSEA) -- No default ! RHFSEA= 3.90, 3.52, 3.31, 3.41,
3.83, 3.88, 3.69, 3.68,

3.82, 3.76, 3.77, 3.93 !

Additional inputs used for MVISBK = 2,3,5,6,7,8:

Extinction due to Rayleigh scattering is added (1/Mm)
(BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11 !

!END!

INPUT GROUP: 3 -- Output options

Documentation

Documentation records contained in the header of the
CALPUFF output file may be written to the list file.
Print documentation image?
(LDOC) -- Default: F ! LDOC = F !

Output Units

Units for All Output (IPRTU) -- Default: 1 ! IPRTU = 3 !
for for
Concentration Deposition
1 = g/m**3 g/m**2/s
2 = mg/m**3 mg/m**2/s
3 = ug/m**3 ug/m**2/s
4 = ng/m**3 ng/m**2/s
5 = Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported

1-pd averages (L1PD) -- Default: T ! L1PD = F !
(pd = averaging period of model output)

1-hr averages (L1HR) -- Default: T ! L1HR = F !

3-hr averages (L3HR) -- Default: T ! L3HR = F !

24-hr averages (L24HR) -- Default: T ! L24HR = T !

Run-length averages (LRUNL) -- Default: T ! LRUNL = F !

User-specified averaging time in hours, minutes, seconds
- results for this averaging time are reported if it is not zero

(NAVGH) -- Default: 0 ! NAVGH = 0 !
(NAVGM) -- Default: 0 ! NAVGM = 0 !
(NAVGS) -- Default: 0 ! NAVGS = 0 !

Types of tabulations reported

- 1) Visibility: daily visibility tabulations are always reported for the selected receptors when ASPEC = VISIB. In addition, any of the other tabulations listed below may be chosen to characterize the light extinction coefficients.
[List file or Plot/Analysis File]

- 2) Top 50 table for each averaging time selected
[List file only]
(LT50) -- Default: T ! LT50 = F !

- 3) Top 'N' table for each averaging time selected
[List file or Plot file]
(LTOPN) -- Default: F ! LTOPN = F !

-- Number of 'Top-N' values at each receptor selected (NTOP must be <= 4)
(NTOP) -- Default: 4 ! NTOP = 4 !

-- Specific ranks of 'Top-N' values reported (NTOP values must be entered)
(ITOP(4) array) -- Default: ! ITOP = 1,2,3,4 !
1,2,3,4

- 4) Threshold exceedance counts for each receptor and each averaging time selected
[List file or Plot file]
(LEXCD) -- Default: F ! LEXCD = F !

-- Identify the threshold for each averaging time by assigning a non-negative value (output units).

-- Default: -1.0
Threshold for 1-hr averages (THRESH1) ! THRESH1 = -1.0 !
Threshold for 3-hr averages (THRESH3) ! THRESH3 = -1.0 !
Threshold for 24-hr averages (THRESH24) ! THRESH24 = -1.0 !
Threshold for NAVG-hr averages (THRESHN) ! THRESHN = -1.0 !

-- Counts for the shortest averaging period selected can be tallied daily, and receptors that experience more than NCOUNT counts over any NDAY period will be reported. This type of exceedance violation output is triggered only if NDAY > 0.

Accumulation period(Days)
(NDAY) -- Default: 0 ! NDAY = 0 !
Number of exceedances allowed
(NCOUNT) -- Default: 1 ! NCOUNT = 1 !

5) Selected day table(s)

Echo Option -- Many records are written each averaging period selected and output is grouped by day

[List file or Plot file]

(LECHO) -- Default: F ! LECHO = F !

Timeseries Option -- Averages at all selected receptors for each selected averaging period are written to timeseries files. Each file contains one averaging period, and all receptors are written to a single record each averaging time.

[TSERIES_ASPEC_ttHR_CONC_TSUNAM.DAT files]

(LTIME) -- Default: F ! LTIME = F !

Peak Value Option -- Averages at all selected receptors for each selected averaging period are screened and the peak value each period is written to timeseries files.

Each file contains one averaging period.

[PEAKVAL_ASPEC_ttHR_CONC_TSUNAM.DAT files]

(LPEAK) -- Default: F ! LPEAK = F !

-- Days selected for output

(IECHO(366)) -- Default: 366*0

! IECHO = 366*0 !

(366 values must be entered)

Plot output options

Plot files can be created for the Top-N, Exceedance, and Echo tables selected above. Two formats for these files are available, DATA and GRID. In the DATA format, results at all receptors are listed along with the receptor location [x,y,val1,val2,...]. In the GRID format, results at only gridded receptors are written, using a compact representation. The gridded values are written in rows (x varies), starting with the most southern row of the grid. The GRID format is given the .GRD extension, and includes headers compatible with the SURFER(R) plotting software.

A plotting and analysis file can also be created for the daily peak visibility summary output, in DATA format only.

Generate Plot file output in addition to writing tables to List file?

(LPLT) -- Default: F ! LPLT = F !

Use GRID format rather than DATA format, when available?

(LGRD) -- Default: F ! LGRD = F !

Auxiliary Output Files (for subsequent analyses)

Visibility

A separate output file may be requested that contains the change in visibility at each selected receptor when ASPEC = VISIB. This file can be processed to construct visibility measures that are not available in CALPOST.

Output file with the visibility change at each receptor?
(MDVIS) -- Default: 0 ! MDVIS = 1 !

- 0 = Do Not create file
- 1 = Create file of DAILY (24 hour) Delta-Deciview
- 2 = Create file of DAILY (24 hour) Extinction Change (%)
- 3 = Create file of HOURLY Delta-Deciview
- 4 = Create file of HOURLY Extinction Change (%)

Additional Debug Output

Output selected information to List file
for debugging?
(LDEBUG) -- Default: F ! LDEBUG = F !

Output hourly extinction information to REPORT.HRV?
(Visibility Method 7)
(LVEXTHR) -- Default: F ! LVEXTHR = F !

!END!

NOTICE: Starting year in control file sets the
expected century for the simulation. All
YY years are converted to YYYY years in
the range: 1953 2052

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CALPOST Control File Input Summary -----

Replace run data with data in Puff file 1=Y: 1
Run starting date -- year: 2003
 month: 1
 day: 1
 Julian day: 0
Time at start of run - hour(0-23): 0
 - minute: 0
 - second: 0

Extinction Computation includes:

SULFATES
NITRATES
NO2 GAS

Fraction CALPUFF NOx used as NO2 : 1.000

ORGANIC CARBON
ELEMENTAL CARBON
COARSE PARTICLES
FINE PARTICLES
BACKGROUND

Particle f(RH) growth curve(s) : IMPROVE (2006) Tables

Max. RH % for particle growth (%): 95.000

Species name for modeled particulates

coarse: PMC

fine: PMF

Extinction Efficiency (1/Mm per ug/m**3)

ammonium sulfate S: 2.2000
ammonium sulfate L: 4.8000
ammonium nitrate S: 2.4000
ammonium nitrate L: 5.1000
organic carbon S: 2.8000
organic carbon L: 6.1000
sea salt: 1.7000
NO2 gas: 0.1755
soil: 1.0000
elemental carbon: 10.0000
MODELED coarse PM: 0.6000
MODELED fine PM: 1.0000
BACKGRND coarse PM: 0.6000

Background Extinction Calculation Method 8

Method 8 Mode: 5

(24-hr avg conc. with monthly F(RH) data)

Monthly RH factor for small particles:

1 .3850E+01
2 .3440E+01
3 .3140E+01
4 .3240E+01
5 .3660E+01
6 .3710E+01
7 .3490E+01
8 .3510E+01
9 .3730E+01
10 .3720E+01
11 .3680E+01
12 .3880E+01

Monthly RH factor for large particles:

1 .2770E+01
2 .2530E+01
3 .2370E+01
4 .2430E+01

5 .2680E+01
6 .2710E+01
7 .2590E+01
8 .2600E+01
9 .2710E+01
10 .2690E+01
11 .2670E+01
12 .2790E+01

Monthly RH factor for sea salt:

1 .3900E+01
2 .3520E+01
3 .3310E+01
4 .3410E+01
5 .3830E+01
6 .3880E+01
7 .3690E+01
8 .3680E+01
9 .3820E+01
10 .3760E+01
11 .3770E+01
12 .3930E+01

Rayleigh scattering extinction (1/Mm): 11.00

Monthly background conc. (ug/m**3):

	(NH4)2SO4	(NH4)NO3	PM-C	OC	SOIL	EC	SEA SALT
1	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
2	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
3	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
4	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
5	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
6	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
7	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
8	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
9	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
10	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
11	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
12	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01

Optional output file for visibility 1

Create file of DAILY (24 hour) Delta-Deciview

Output options

Units requested for output: (1/Mega-m)

Averaging time(s) selected

User-specified averaging time (hr:mm:ss): 0: 0: 0

1-pd averages: F
1-hr averages: F
3-hr averages: F
24-hr averages: T

User-specified averages: F
Length of run averages: F

Output components selected

Top-50: F
Top-N values at each receptor: F
Exceedance counts at each receptor: F
Output selected information for debugging: F
Echo tables for selected days: F
Time-series for selected days: F
Peak value Time-series for selected days: F

Plot file option

Plot files created: F

MAPSPEC: Species Mapping

Number of species-levels in file : 9
Number of species-levels processed: 10

Input ID	Processing ID	Name	
1	1	SO2	1
2	2	SO4	1
3	3	NOX	1
4	4	HNO3	1
5	5	NO3	1
6	6	PMC	1
7	7	PMF	1
8	8	EC	1
9	9	SOA	1

Visibility Species

	Processing ID	Name	
sulfate	2	SO4	1
no2gas	10	NO2	1
noxgas	3	NOX	1
nitrate	5	NO3	1
specpmf	7	PMF	1
specpmc	6	PMC	1
orgcarb	9	SOA	1
lmncarb	8	EC	1

IDENTIFICATION OF PROCESSED MODEL FILE -----

CALPUFF 5.8.4 130731

CLECO, Brame
ALM-step1
Repartitioning of NO3/HNO3

Averaging time for values reported from model:
1 HOUR

Number of averaging periods in file from model:

navg,ntop = 0 4
navgh,navgm,navgs = 0 0 0
itop = 1 2 3 4
L[1,3,24]HR = F F T
LNAVG, LRUNL = F F
LT50, LTOPN, LEXCD = F F F
LECHO, LTIME, LPEAK = F F F
THRESH1 = -1.00000000
THRESH3 = -1.00000000
THRESH24 = -1.00000000
THRESHN = -1.00000000
LPLT, LGRD = F F
MDVIS = 1
LDEBUG = F
LCTSG = F

CONTENTS OF HEADER OF MODEL OUTPUT FILE -----

model: CALPUFF 5.8.4 130731
msyr,mjsday = 2002 365
mshr,mssec = 23 0
nsecdt (period) = 3600
xbtz = 6.00000000
mnper,nszout,mavgpd = 8740 9 1
xorigkm,yorigkm,nssta = -951.547058 -1646.63708 0
ielmet,jelmet = 462 376
delx,dely,nz = 4.00000000 4.00000000 1
iastar,iastop,jastar,jastop = 1 462 1 376
isastr,isastp,jsastr,jsastp = 1 462 1 376
(computed) ngx,ngy = 462 376
meshdn,npts,nareas = 1 2 0
nlines,nvols = 0 0
ndrec,nctrec,LSGRID = 120 0 F

Discrete Receptors (n,x,y,z):

1 270.325867 -617.518921 365.000000
2 271.090393 -617.494019 365.000000
3 271.854797 -617.469116 368.000000
4 268.767273 -616.646362 411.000000
5 269.531677 -616.621704 462.000000
6 270.295959 -616.597046 431.000000
7 271.060364 -616.572144 518.000000
8 271.824768 -616.547241 487.000000
9 272.589050 -616.522339 396.000000
10 265.680481 -615.822632 518.000000
11 266.444763 -615.798218 523.000000
12 267.209045 -615.773682 548.000000
13 267.973328 -615.749146 579.000000
14 268.737610 -615.724487 547.000000
15 269.501892 -615.699829 538.000000
16 270.266174 -615.675049 640.000000
17 271.030334 -615.650269 608.000000
18 260.301697 -615.069458 335.000000
19 261.065857 -615.045532 431.000000
20 261.830139 -615.021606 457.000000
21 262.594299 -614.997559 414.000000
22 263.358459 -614.973511 426.000000

23 264.122742 -614.949341 426.000000
24 264.886902 -614.924927 388.000000
25 265.651062 -614.900635 388.000000
26 266.415344 -614.876343 365.000000
27 267.179504 -614.851807 386.000000
28 267.943665 -614.827271 396.000000
29 268.707825 -614.802612 426.000000
30 269.471985 -614.777954 446.000000
31 270.236267 -614.753174 441.000000
32 271.000427 -614.728394 457.000000
33 271.764587 -614.703491 465.000000
34 272.528748 -614.678589 442.000000
35 273.293030 -614.653442 426.000000
36 260.272888 -614.147583 304.000000
37 261.036926 -614.123657 304.000000
38 261.801086 -614.099731 319.000000
39 262.565247 -614.075684 334.000000
40 263.329407 -614.051636 370.000000
41 264.093567 -614.027344 405.000000
42 264.857605 -614.003052 409.000000
43 265.621765 -613.978760 450.000000
44 266.385803 -613.954346 518.000000
45 267.149963 -613.929932 609.000000
46 267.914124 -613.905396 534.000000
47 268.678162 -613.880737 517.000000
48 269.442200 -613.856079 575.000000
49 270.206360 -613.831299 600.000000
50 270.970520 -613.806519 609.000000
51 271.734558 -613.781616 609.000000
52 272.498596 -613.756714 561.000000
53 261.008118 -613.201782 335.000000
54 261.772156 -613.177856 432.000000
55 262.536194 -613.153809 487.000000
56 263.300232 -613.129639 499.000000
57 264.064270 -613.105469 514.000000
58 264.828308 -613.081177 442.000000
59 265.592346 -613.056885 439.000000
60 266.356384 -613.032471 395.000000
61 267.120422 -613.007935 400.000000
62 267.884460 -612.983521 426.000000
63 268.648499 -612.958862 487.000000
64 269.412415 -612.934204 548.000000
65 270.176453 -612.909424 548.000000
66 270.940491 -612.884644 548.000000
67 271.704529 -612.859741 535.000000
68 261.743225 -612.255981 304.000000
69 262.507141 -612.231812 334.000000
70 263.271179 -612.207764 396.000000
71 264.035095 -612.183594 457.000000
72 264.799011 -612.159302 457.000000
73 265.563049 -612.135010 426.000000
74 266.326965 -612.110596 411.000000
75 267.090881 -612.086182 406.000000
76 267.854797 -612.061646 396.000000
77 268.618713 -612.036987 401.000000
78 269.382629 -612.012329 397.000000

79 261.714294 -611.334106 322.000000
80 262.478088 -611.309937 334.000000
81 777.710144 -1118.01306 0.00000000E+00
82 779.970764 -1115.93896 0.00000000E+00
83 780.696716 -1114.93750 0.00000000E+00
84 781.422424 -1113.93604 0.00000000E+00
85 785.606995 -1106.06689 0.00000000E+00
86 789.226868 -1101.05811 0.00000000E+00
87 789.783264 -1098.19727 0.00000000E+00
88 791.229431 -1096.19348 1.00000000
89 791.145813 -1095.26416 1.00000000
90 791.784729 -1093.33289 1.00000000
91 791.700989 -1092.40356 1.00000000
92 792.339539 -1090.47253 1.00000000
93 792.255920 -1089.54321 1.00000000
94 792.172058 -1088.61401 1.00000000
95 792.088196 -1087.68494 1.00000000
96 792.004456 -1086.75574 0.00000000E+00
97 791.920715 -1085.82666 0.00000000E+00
98 791.753235 -1083.96826 0.00000000E+00
99 792.558533 -1083.89575 1.00000000
100 792.474670 -1082.96667 1.00000000
101 791.585754 -1082.11023 0.00000000E+00
102 792.390930 -1082.03760 1.00000000
103 791.502014 -1081.18127 0.00000000E+00
104 792.307068 -1081.10864 1.00000000
105 791.418152 -1080.25220 1.00000000
106 791.334412 -1079.32324 1.00000000
107 790.445862 -1078.46667 0.00000000E+00
108 791.250549 -1078.39417 1.00000000
109 790.362244 -1077.53772 0.00000000E+00
110 791.166931 -1077.46521 1.00000000
111 790.278625 -1076.60876 0.00000000E+00
112 790.194885 -1075.67993 0.00000000E+00
113 790.111267 -1074.75098 1.00000000
114 789.223206 -1073.89453 0.00000000E+00
115 789.139709 -1072.96558 0.00000000E+00
116 788.251770 -1072.10913 0.00000000E+00
117 788.168274 -1071.18030 1.00000000
118 787.280823 -1070.32373 0.00000000E+00
119 786.393372 -1069.46704 0.00000000E+00
120 785.506165 -1068.61035 0.00000000E+00

Surface Met Station UTM's (n,x,y):

Control-file POINT Sources : 2
EMARB-file POINT Sources : 0
Control-file AREA Sources : 0
EMARB-file AREA Sources : 0
Control-file LINE Sources : 0
EMARB-file LINE Sources : 0
Control-file VOLUME Sources: 0
EMARB-file VOLUME Sources : 0

Source Names
UNIT_1

UNIT_2

INPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.INP	5	CT_BRAME_03B_CACR.inp
MODEL.DAT	4	pu_brame_03b.flx

OUTPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.LST	8	ct_brame_03b_cacr.lst

CALPOST Version 6.221 Level 080724

24HR VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

START TIME			Modeled Extinction by Species													
YEAR	DAY	HR	Small	Large	SSalt	COORDINATES (km)						TYPE BEXT				
YEAR	DAY	HR	RECEPTOR	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)	BEXT(Model)	BEXT(BKG)	BEXT(Total)
2002	365	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930										
2003	1	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900										
2003	2	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900										
2003	3	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900										
2003	4	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900										
2003	5	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900										
2003	6	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900										

2003	7	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	8	23	3	271.855	-617.469	D	0.168	22.161	22.328	0.76	0.128	0.038	0.000
0.000	0.000	0.001	0.000	0.000	3.850	2.770	3.900						
2003	9	23	3	271.855	-617.469	D	0.002	22.161	22.163	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	10	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	11	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	12	23	18	260.302	-615.069	D	0.002	22.161	22.163	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	13	23	18	260.302	-615.069	D	0.051	22.161	22.212	0.23	0.047	0.003	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	14	23	18	260.302	-615.069	D	0.809	22.161	22.970	3.65	0.447	0.351	0.003
0.002	0.002	0.004	0.001	0.001	3.850	2.770	3.900						
2003	15	23	79	261.714	-611.334	D	2.312	22.161	24.472	10.43	1.312	0.974	0.006
0.006	0.004	0.009	0.002	0.002	3.850	2.770	3.900						
2003	16	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	17	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	18	23	18	260.302	-615.069	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	19	23	18	260.302	-615.069	D	0.003	22.161	22.164	0.01	0.003	0.001	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	20	23	35	273.293	-614.653	D	0.003	22.161	22.164	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	21	23	2	271.090	-617.494	D	0.002	22.161	22.163	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	22	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	23	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	24	23	18	260.302	-615.069	D	0.083	22.161	22.244	0.38	0.040	0.043	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	25	23	18	260.302	-615.069	D	0.693	22.161	22.854	3.13	0.365	0.322	0.002
0.002	0.001	0.002	0.000	0.000	3.850	2.770	3.900						
2003	26	23	18	260.302	-615.069	D	1.216	22.161	23.377	5.49	0.681	0.519	0.004
0.003	0.003	0.005	0.001	0.001	3.850	2.770	3.900						
2003	27	23	79	261.714	-611.334	D	1.510	22.161	23.671	6.81	0.968	0.527	0.003
0.004	0.002	0.005	0.001	0.001	3.850	2.770	3.900						
2003	28	23	18	260.302	-615.069	D	1.294	22.161	23.455	5.84	0.992	0.296	0.001
0.001	0.001	0.002	0.000	0.000	3.850	2.770	3.900						
2003	29	23	1	270.326	-617.519	D	0.022	22.161	22.182	0.10	0.017	0.004	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	30	23	3	271.855	-617.469	D	0.081	22.161	22.242	0.37	0.069	0.012	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	31	23	3	271.855	-617.469	D	0.020	22.161	22.181	0.09	0.017	0.003	0.000
0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2003	32	23	3	271.855	-617.469	D	0.089	21.835	21.924	0.41	0.080	0.009	0.000
0.000	0.000	0.000	0.000	0.000	3.440	2.530	3.520						
2003	33	23	9	272.589	-616.522	D	0.047	21.835	21.882	0.22	0.043	0.004	0.000
0.000	0.000	0.000	0.000	0.000	3.440	2.530	3.520						
2003	34	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.440	2.530	3.520						

2003	35	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.440	2.530	3.520						
2003	36	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.440	2.530	3.520						
2003	37	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.440	2.530	3.520						
2003	38	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.440	2.530	3.520						
2003	39	23	18	260.302	-615.069	D	3.630	21.835	25.465	16.63	2.431	1.119	0.005
0.006	0.003	0.008	0.057	3.440	2.530	3.520							
2003	40	23	9	272.589	-616.522	D	0.832	21.835	22.667	3.81	0.613	0.212	0.001
0.001	0.001	0.001	0.004	3.440	2.530	3.520							
2003	41	23	3	271.855	-617.469	D	0.081	21.835	21.916	0.37	0.073	0.008	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	42	23	3	271.855	-617.469	D	0.093	21.835	21.928	0.43	0.082	0.011	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	43	23	18	260.302	-615.069	D	2.728	21.835	24.563	12.50	1.457	1.171	0.011
0.010	0.007	0.016	0.057	3.440	2.530	3.520							
2003	44	23	67	271.705	-612.860	D	0.138	21.835	21.973	0.63	0.087	0.048	0.000
0.000	0.000	0.000	0.001	3.440	2.530	3.520							
2003	45	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	46	23	35	273.293	-614.653	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	47	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	48	23	35	273.293	-614.653	D	0.155	21.835	21.990	0.71	0.114	0.038	0.001
0.001	0.001	0.001	0.000	3.440	2.530	3.520							
2003	49	23	35	273.293	-614.653	D	0.503	21.835	22.338	2.30	0.425	0.076	0.000
0.000	0.000	0.001	0.000	3.440	2.530	3.520							
2003	50	23	2	271.090	-617.494	D	0.423	21.835	22.258	1.94	0.294	0.124	0.000
0.000	0.000	0.001	0.003	3.440	2.530	3.520							
2003	51	23	19	261.066	-615.046	D	0.102	21.835	21.936	0.47	0.035	0.060	0.000
0.000	0.000	0.000	0.006	3.440	2.530	3.520							
2003	52	23	18	260.302	-615.069	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	53	23	35	273.293	-614.653	D	1.399	21.835	23.234	6.41	0.724	0.640	0.006
0.006	0.004	0.009	0.010	3.440	2.530	3.520							
2003	54	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	55	23	2	271.090	-617.494	D	0.003	21.835	21.838	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	56	23	3	271.855	-617.469	D	0.123	21.835	21.958	0.57	0.099	0.024	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	57	23	3	271.855	-617.469	D	0.015	21.835	21.849	0.07	0.013	0.002	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	58	23	3	271.855	-617.469	D	0.003	21.835	21.837	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	59	23	3	271.855	-617.469	D	0.007	21.835	21.841	0.03	0.006	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	60	23	3	271.855	-617.469	D	0.001	21.600	21.601	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	61	23	18	260.302	-615.069	D	0.002	21.600	21.602	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	62	23	9	272.589	-616.522	D	2.271	21.600	23.871	10.51	1.628	0.608	0.007
0.007	0.005	0.011	0.006	3.140	2.370	3.310							

2003	63	23	35	273.293	-614.653	D	2.200	21.600	23.800	10.19	1.626	0.563	0.003
0.003	0.002	0.004	0.000	3.140	2.370	3.310							
2003	64	23	9	272.589	-616.522	D	0.376	21.600	21.976	1.74	0.289	0.086	0.001
0.000	0.000	0.001	0.000	3.140	2.370	3.310							
2003	65	23	1	270.326	-617.519	D	1.832	21.600	23.432	8.48	1.514	0.285	0.007
0.006	0.004	0.010	0.005	3.140	2.370	3.310							
2003	66	23	35	273.293	-614.653	D	1.967	21.600	23.567	9.11	1.508	0.434	0.005
0.006	0.004	0.009	0.002	3.140	2.370	3.310							
2003	67	23	1	270.326	-617.519	D	0.243	21.600	21.843	1.12	0.199	0.042	0.000
0.000	0.000	0.001	0.000	3.140	2.370	3.310							
2003	68	23	1	270.326	-617.519	D	0.124	21.600	21.724	0.58	0.106	0.017	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	69	23	18	260.302	-615.069	D	1.472	21.600	23.072	6.82	1.012	0.438	0.005
0.005	0.003	0.008	0.000	3.140	2.370	3.310							
2003	70	23	79	261.714	-611.334	D	0.859	21.600	22.459	3.98	0.705	0.146	0.002
0.002	0.001	0.003	0.000	3.140	2.370	3.310							
2003	71	23	36	260.273	-614.148	D	0.049	21.600	21.649	0.23	0.044	0.005	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	72	23	18	260.302	-615.069	D	0.006	21.600	21.605	0.03	0.005	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	73	23	18	260.302	-615.069	D	0.718	21.600	22.318	3.32	0.573	0.134	0.003
0.002	0.002	0.004	0.000	3.140	2.370	3.310							
2003	74	23	10	265.680	-615.823	D	6.278	21.600	27.878	29.06	4.400	1.764	0.027
0.025	0.017	0.039	0.007	3.140	2.370	3.310							
2003	75	23	18	260.302	-615.069	D	2.695	21.600	24.295	12.48	1.948	0.698	0.012
0.011	0.007	0.017	0.001	3.140	2.370	3.310							
2003	76	23	18	260.302	-615.069	D	2.084	21.600	23.684	9.65	1.101	0.904	0.012
0.010	0.008	0.016	0.033	3.140	2.370	3.310							
2003	77	23	35	273.293	-614.653	D	0.003	21.600	21.603	0.01	0.000	0.002	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	78	23	3	271.855	-617.469	D	0.003	21.600	21.603	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	79	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	80	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	81	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	82	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	83	23	3	271.855	-617.469	D	0.001	21.600	21.601	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	84	23	3	271.855	-617.469	D	0.014	21.600	21.614	0.07	0.013	0.001	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	85	23	35	273.293	-614.653	D	0.357	21.600	21.957	1.65	0.299	0.053	0.001
0.001	0.001	0.002	0.000	3.140	2.370	3.310							
2003	86	23	35	273.293	-614.653	D	0.048	21.600	21.648	0.22	0.043	0.005	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	87	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	88	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	89	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	90	23	3	271.855	-617.469	D	0.002	21.600	21.602	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							

2003	91	23	9	272.589	-616.522	D	0.017	21.680	21.697	0.08	0.014	0.002	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	92	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	93	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	94	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	95	23	18	260.302	-615.069	D	0.742	21.680	22.422	3.42	0.500	0.216	0.002
0.002	0.001	0.003	0.017	0.017	3.240	2.430	3.410						
2003	96	23	67	271.705	-612.860	D	1.336	21.680	23.016	6.16	0.994	0.327	0.002
0.002	0.001	0.004	0.005	0.005	3.240	2.430	3.410						
2003	97	23	3	271.855	-617.469	D	0.015	21.680	21.695	0.07	0.012	0.003	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	98	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	99	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	100	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	101	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	102	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	103	23	3	271.855	-617.469	D	0.012	21.680	21.692	0.05	0.010	0.002	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	104	23	35	273.293	-614.653	D	0.197	21.680	21.876	0.91	0.173	0.022	0.000
0.000	0.000	0.001	0.000	0.000	3.240	2.430	3.410						
2003	105	23	33	271.765	-614.703	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	106	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	107	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	108	23	35	273.293	-614.653	D	0.021	21.680	21.701	0.10	0.016	0.005	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	109	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	110	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	111	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	112	23	18	260.302	-615.069	D	0.215	21.680	21.895	0.99	0.167	0.045	0.001
0.001	0.001	0.001	0.000	0.000	3.240	2.430	3.410						
2003	113	23	9	272.589	-616.522	D	0.113	21.680	21.792	0.52	0.037	0.069	0.001
0.001	0.000	0.001	0.004	0.004	3.240	2.430	3.410						
2003	114	23	67	271.705	-612.860	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	115	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.240	2.430	3.410						
2003	116	23	18	260.302	-615.069	D	0.558	21.680	22.238	2.57	0.505	0.041	0.003
0.003	0.002	0.004	0.000	0.000	3.240	2.430	3.410						
2003	117	23	9	272.589	-616.522	D	0.788	21.680	22.468	3.64	0.718	0.060	0.002
0.002	0.002	0.004	0.000	0.000	3.240	2.430	3.410						
2003	118	23	35	273.293	-614.653	D	0.793	21.680	22.473	3.66	0.605	0.178	0.002
0.002	0.002	0.004	0.000	0.000	3.240	2.430	3.410						

2003 119 23	7	271.060	-616.572	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410					
2003 120 23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410					
2003 121 23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 122 23	9	272.589	-616.522	D	0.006	22.015	22.022	0.03	0.006	0.001	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 123 23	35	273.293	-614.653	D	0.016	22.015	22.031	0.07	0.014	0.002	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 124 23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 125 23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 126 23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 127 23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 128 23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 129 23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 130 23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 131 23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 132 23	15	269.502	-615.700	D	1.976	22.015	23.991	8.97	1.598	0.337	0.010
0.009	0.006	0.014	0.001	3.660	2.680	3.830					
2003 133 23	79	261.714	-611.334	D	0.006	22.015	22.022	0.03	0.006	0.001	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 134 23	35	273.293	-614.653	D	0.118	22.015	22.133	0.54	0.078	0.038	0.000
0.000	0.000	0.000	0.001	3.660	2.680	3.830					
2003 135 23	78	269.383	-612.012	D	0.002	22.015	22.018	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 136 23	36	260.273	-614.148	D	0.010	22.015	22.025	0.04	0.003	0.006	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 137 23	18	260.302	-615.069	D	0.003	22.015	22.018	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 138 23	1	270.326	-617.519	D	0.017	22.015	22.033	0.08	0.016	0.002	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 139 23	9	272.589	-616.522	D	0.019	22.015	22.035	0.09	0.017	0.003	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 140 23	3	271.855	-617.469	D	0.009	22.015	22.024	0.04	0.008	0.001	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 141 23	18	260.302	-615.069	D	0.002	22.015	22.017	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 142 23	36	260.273	-614.148	D	0.017	22.015	22.032	0.08	0.016	0.001	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 143 23	36	260.273	-614.148	D	0.052	22.015	22.067	0.23	0.047	0.004	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 144 23	3	271.855	-617.469	D	0.091	22.015	22.107	0.42	0.080	0.010	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 145 23	1	270.326	-617.519	D	0.017	22.015	22.032	0.08	0.015	0.002	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					
2003 146 23	18	260.302	-615.069	D	0.001	22.015	22.017	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830					

2003	147	23	18	260.302	-615.069	D	0.001	22.015	22.016	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2003	148	23	18	260.302	-615.069	D	0.001	22.015	22.016	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2003	149	23	18	260.302	-615.069	D	0.038	22.015	22.053	0.17	0.037	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2003	150	23	1	270.326	-617.519	D	0.315	22.015	22.330	1.43	0.305	0.008	0.000
0.000	0.000	0.001	0.000	3.660	2.680	3.830							
2003	151	23	18	260.302	-615.069	D	0.342	22.015	22.358	1.55	0.325	0.016	0.001
0.000	0.000	0.001	0.000	3.660	2.680	3.830							
2003	152	23	35	273.293	-614.653	D	0.151	22.055	22.206	0.68	0.141	0.009	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	153	23	35	273.293	-614.653	D	0.005	22.055	22.060	0.02	0.004	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	154	23	18	260.302	-615.069	D	0.002	22.055	22.057	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	155	23	18	260.302	-615.069	D	0.158	22.055	22.214	0.72	0.117	0.040	0.000
0.000	0.000	0.001	0.000	3.710	2.710	3.880							
2003	156	23	18	260.302	-615.069	D	0.014	22.055	22.069	0.06	0.013	0.001	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	157	23	1	270.326	-617.519	D	0.009	22.055	22.064	0.04	0.009	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	158	23	3	271.855	-617.469	D	0.003	22.055	22.058	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	159	23	3	271.855	-617.469	D	0.126	22.055	22.181	0.57	0.118	0.006	0.000
0.000	0.000	0.001	0.000	3.710	2.710	3.880							
2003	160	23	35	273.293	-614.653	D	0.385	22.055	22.441	1.75	0.372	0.010	0.001
0.001	0.001	0.001	0.000	3.710	2.710	3.880							
2003	161	23	35	273.293	-614.653	D	0.000	22.055	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	162	23	18	260.302	-615.069	D	0.001	22.055	22.056	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	163	23	18	260.302	-615.069	D	0.000	22.055	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	164	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	165	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	166	23	9	272.589	-616.522	D	0.020	22.055	22.075	0.09	0.017	0.003	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	167	23	35	273.293	-614.653	D	0.955	22.055	23.010	4.33	0.802	0.148	0.001
0.001	0.000	0.001	0.001	3.710	2.710	3.880							
2003	168	23	18	260.302	-615.069	D	0.380	22.055	22.435	1.72	0.316	0.063	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	169	23	18	260.302	-615.069	D	0.019	22.055	22.075	0.09	0.018	0.001	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	170	23	18	260.302	-615.069	D	0.006	22.055	22.061	0.03	0.005	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	171	23	18	260.302	-615.069	D	0.016	22.055	22.072	0.07	0.016	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	172	23	18	260.302	-615.069	D	0.265	22.055	22.321	1.20	0.242	0.020	0.001
0.001	0.001	0.001	0.000	3.710	2.710	3.880							
2003	173	23	35	273.293	-614.653	D	2.849	22.055	24.904	12.92	2.681	0.117	0.012
0.012	0.008	0.018	0.001	3.710	2.710	3.880							
2003	174	23	35	273.293	-614.653	D	1.615	22.055	23.671	7.32	1.504	0.074	0.009
0.008	0.005	0.013	0.002	3.710	2.710	3.880							

2003 175 23 35	273.293	-614.653	D	0.686	22.055	22.741	3.11	0.655	0.016	0.004	
0.004 0.002 0.005	0.000	3.710	2.710	3.880							
2003 176 23 35	273.293	-614.653	D	0.050	22.055	22.106	0.23	0.039	0.010	0.000	
0.000 0.000 0.001	0.000	3.710	2.710	3.880							
2003 177 23 1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000	3.710	2.710	3.880							
2003 178 23 1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000	3.710	2.710	3.880							
2003 179 23 1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000	3.710	2.710	3.880							
2003 180 23 1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000	3.710	2.710	3.880							
2003 181 23 1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000	3.710	2.710	3.880							
2003 182 23 18	260.302	-615.069	D	0.012	21.881	21.893	0.05	0.011	0.000	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							
2003 183 23 18	260.302	-615.069	D	0.103	21.881	21.984	0.47	0.096	0.006	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							
2003 184 23 1	270.326	-617.519	D	1.618	21.881	23.499	7.39	1.529	0.077	0.003	
0.003 0.002 0.004	0.000	3.490	2.590	3.690							
2003 185 23 79	261.714	-611.334	D	2.506	21.881	24.388	11.45	2.287	0.204	0.004	
0.004 0.002 0.006	0.000	3.490	2.590	3.690							
2003 186 23 78	269.383	-612.012	D	0.042	21.881	21.923	0.19	0.040	0.001	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							
2003 187 23 3	271.855	-617.469	D	0.179	21.881	22.061	0.82	0.173	0.003	0.001	
0.001 0.001 0.001	0.000	3.490	2.590	3.690							
2003 188 23 35	273.293	-614.653	D	0.561	21.881	22.442	2.56	0.504	0.044	0.003	
0.003 0.002 0.005	0.000	3.490	2.590	3.690							
2003 189 23 18	260.302	-615.069	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							
2003 190 23 1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							
2003 191 23 1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							
2003 192 23 3	271.855	-617.469	D	0.098	21.881	21.980	0.45	0.089	0.008	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							
2003 193 23 9	272.589	-616.522	D	0.033	21.881	21.915	0.15	0.027	0.006	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							
2003 194 23 3	271.855	-617.469	D	1.034	21.881	22.916	4.73	0.916	0.109	0.002	
0.002 0.001 0.003	0.000	3.490	2.590	3.690							
2003 195 23 71	264.035	-612.184	D	2.883	21.881	24.764	13.17	2.053	0.759	0.014	
0.012 0.009 0.020	0.016	3.490	2.590	3.690							
2003 196 23 35	273.293	-614.653	D	0.726	21.881	22.607	3.32	0.580	0.132	0.003	
0.003 0.002 0.005	0.000	3.490	2.590	3.690							
2003 197 23 35	273.293	-614.653	D	0.242	21.881	22.124	1.11	0.229	0.011	0.001	
0.001 0.000 0.001	0.000	3.490	2.590	3.690							
2003 198 23 35	273.293	-614.653	D	0.090	21.881	21.971	0.41	0.084	0.005	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							
2003 199 23 9	272.589	-616.522	D	0.011	21.881	21.892	0.05	0.010	0.001	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							
2003 200 23 3	271.855	-617.469	D	0.023	21.881	21.904	0.10	0.022	0.001	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							
2003 201 23 3	271.855	-617.469	D	0.002	21.881	21.884	0.01	0.002	0.000	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							
2003 202 23 3	271.855	-617.469	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000	3.490	2.590	3.690							

2003	203	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.490	2.590	3.690						
2003	204	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.490	2.590	3.690						
2003	205	23	18	260.302	-615.069	D	0.873	21.881	22.754	3.99	0.641	0.221	0.003
0.003	0.002	0.004	0.000	0.000	3.490	2.590	3.690						
2003	206	23	79	261.714	-611.334	D	1.120	21.881	23.001	5.12	0.962	0.146	0.003
0.003	0.002	0.004	0.000	0.000	3.490	2.590	3.690						
2003	207	23	35	273.293	-614.653	D	0.134	21.881	22.016	0.61	0.126	0.008	0.000
0.000	0.000	0.000	0.000	0.000	3.490	2.590	3.690						
2003	208	23	35	273.293	-614.653	D	0.000	21.881	21.882	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.490	2.590	3.690						
2003	209	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.490	2.590	3.690						
2003	210	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.490	2.590	3.690						
2003	211	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.490	2.590	3.690						
2003	212	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.490	2.590	3.690						
2003	213	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	214	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	215	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	216	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	217	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	218	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	219	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	220	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	221	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	222	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	223	23	3	271.855	-617.469	D	0.002	21.896	21.898	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	224	23	3	271.855	-617.469	D	0.016	21.896	21.912	0.07	0.014	0.001	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	225	23	3	271.855	-617.469	D	0.384	21.896	22.279	1.75	0.326	0.052	0.001
0.001	0.001	0.002	0.000	0.000	3.510	2.600	3.680						
2003	226	23	35	273.293	-614.653	D	0.279	21.896	22.175	1.27	0.245	0.032	0.001
0.001	0.000	0.001	0.000	0.000	3.510	2.600	3.680						
2003	227	23	67	271.705	-612.860	D	0.403	21.896	22.299	1.84	0.381	0.020	0.001
0.001	0.000	0.001	0.000	0.000	3.510	2.600	3.680						
2003	228	23	3	271.855	-617.469	D	0.351	21.896	22.247	1.60	0.338	0.012	0.000
0.000	0.000	0.001	0.000	0.000	3.510	2.600	3.680						
2003	229	23	18	260.302	-615.069	D	0.261	21.896	22.156	1.19	0.242	0.017	0.000
0.000	0.000	0.000	0.000	0.000	3.510	2.600	3.680						
2003	230	23	18	260.302	-615.069	D	0.820	21.896	22.716	3.74	0.804	0.007	0.002
0.002	0.001	0.003	0.000	0.000	3.510	2.600	3.680						

2003	231	23	18	260.302	-615.069	D	1.358	21.896	23.254	6.20	1.319	0.027	0.003
0.003	0.002	0.004	0.000	3.510	2.600	3.680							
2003	232	23	35	273.293	-614.653	D	0.941	21.896	22.837	4.30	0.902	0.033	0.002
0.002	0.001	0.002	0.000	3.510	2.600	3.680							
2003	233	23	9	272.589	-616.522	D	1.476	21.896	23.372	6.74	1.414	0.052	0.002
0.002	0.002	0.004	0.000	3.510	2.600	3.680							
2003	234	23	1	270.326	-617.519	D	1.148	21.896	23.044	5.24	1.120	0.019	0.002
0.002	0.001	0.003	0.000	3.510	2.600	3.680							
2003	235	23	18	260.302	-615.069	D	0.414	21.896	22.309	1.89	0.401	0.010	0.001
0.001	0.000	0.001	0.000	3.510	2.600	3.680							
2003	236	23	18	260.302	-615.069	D	0.207	21.896	22.103	0.95	0.202	0.003	0.000
0.000	0.000	0.001	0.000	3.510	2.600	3.680							
2003	237	23	18	260.302	-615.069	D	1.768	21.896	23.663	8.07	1.343	0.406	0.005
0.004	0.003	0.007	0.000	3.510	2.600	3.680							
2003	238	23	67	271.705	-612.860	D	2.147	21.896	24.043	9.81	1.540	0.588	0.005
0.004	0.003	0.007	0.000	3.510	2.600	3.680							
2003	239	23	67	271.705	-612.860	D	0.122	21.896	22.017	0.56	0.103	0.018	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	240	23	3	271.855	-617.469	D	0.035	21.896	21.930	0.16	0.027	0.007	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	241	23	3	271.855	-617.469	D	4.081	21.896	25.977	18.64	2.267	1.761	0.012
0.012	0.008	0.018	0.002	3.510	2.600	3.680							
2003	242	23	18	260.302	-615.069	D	0.079	21.896	21.974	0.36	0.023	0.051	0.001
0.000	0.000	0.001	0.003	3.510	2.600	3.680							
2003	243	23	78	269.383	-612.012	D	0.382	21.896	22.278	1.74	0.210	0.152	0.002
0.002	0.001	0.003	0.010	3.510	2.600	3.680							
2003	244	23	3	271.855	-617.469	D	0.095	22.067	22.162	0.43	0.045	0.048	0.000
0.000	0.000	0.000	0.002	3.730	2.710	3.820							
2003	245	23	3	271.855	-617.469	D	0.073	22.067	22.140	0.33	0.054	0.019	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	246	23	1	270.326	-617.519	D	0.002	22.067	22.069	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	247	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	248	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	249	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	250	23	3	271.855	-617.469	D	0.001	22.067	22.069	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	251	23	1	270.326	-617.519	D	0.112	22.067	22.179	0.51	0.102	0.008	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	252	23	35	273.293	-614.653	D	2.018	22.067	24.085	9.14	1.520	0.466	0.007
0.007	0.005	0.011	0.001	3.730	2.710	3.820							
2003	253	23	35	273.293	-614.653	D	0.213	22.067	22.280	0.96	0.192	0.016	0.001
0.001	0.001	0.002	0.000	3.730	2.710	3.820							
2003	254	23	67	271.705	-612.860	D	0.056	22.067	22.124	0.26	0.037	0.016	0.000
0.000	0.000	0.000	0.003	3.730	2.710	3.820							
2003	255	23	80	262.478	-611.310	D	0.020	22.067	22.087	0.09	0.012	0.008	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	256	23	35	273.293	-614.653	D	0.021	22.067	22.088	0.09	0.012	0.009	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	257	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	258	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							

2003 259 23 36	260.273	-614.148	D	0.079	22.067	22.147	0.36	0.066	0.012	0.000
0.000 0.000 0.000	0.000	3.730	2.710	3.820						
2003 260 23 36	260.273	-614.148	D	0.589	22.067	22.656	2.67	0.524	0.056	0.002
0.002 0.001 0.003	0.000	3.730	2.710	3.820						
2003 261 23 9	272.589	-616.522	D	0.070	22.067	22.137	0.32	0.060	0.008	0.000
0.000 0.000 0.000	0.000	3.730	2.710	3.820						
2003 262 23 3	271.855	-617.469	D	0.153	22.067	22.220	0.69	0.136	0.015	0.000
0.000 0.000 0.000	0.000	3.730	2.710	3.820						
2003 263 23 79	261.714	-611.334	D	0.177	22.067	22.244	0.80	0.159	0.016	0.000
0.000 0.000 0.001	0.000	3.730	2.710	3.820						
2003 264 23 18	260.302	-615.069	D	0.020	22.067	22.087	0.09	0.018	0.002	0.000
0.000 0.000 0.000	0.000	3.730	2.710	3.820						
2003 265 23 36	260.273	-614.148	D	0.058	22.067	22.125	0.26	0.053	0.004	0.000
0.000 0.000 0.000	0.000	3.730	2.710	3.820						
2003 266 23 18	260.302	-615.069	D	1.873	22.067	23.940	8.49	1.700	0.152	0.005
0.005 0.003 0.008	0.000	3.730	2.710	3.820						
2003 267 23 18	260.302	-615.069	D	4.280	22.067	26.348	19.40	3.449	0.789	0.011
0.010 0.007 0.015	0.000	3.730	2.710	3.820						
2003 268 23 79	261.714	-611.334	D	2.063	22.067	24.131	9.35	1.756	0.290	0.004
0.004 0.003 0.006	0.000	3.730	2.710	3.820						
2003 269 23 18	260.302	-615.069	D	0.222	22.067	22.289	1.00	0.182	0.037	0.000
0.000 0.000 0.001	0.000	3.730	2.710	3.820						
2003 270 23 1	270.326	-617.519	D	0.001	22.067	22.068	0.00	0.001	0.000	0.000
0.000 0.000 0.000	0.000	3.730	2.710	3.820						
2003 271 23 18	260.302	-615.069	D	0.002	22.067	22.069	0.01	0.002	0.000	0.000
0.000 0.000 0.000	0.000	3.730	2.710	3.820						
2003 272 23 36	260.273	-614.148	D	0.002	22.067	22.069	0.01	0.002	0.000	0.000
0.000 0.000 0.000	0.000	3.730	2.710	3.820						
2003 273 23 36	260.273	-614.148	D	0.002	22.067	22.069	0.01	0.002	0.000	0.000
0.000 0.000 0.000	0.000	3.730	2.710	3.820						
2003 274 23 18	260.302	-615.069	D	0.001	22.056	22.058	0.01	0.001	0.000	0.000
0.000 0.000 0.000	0.000	3.720	2.690	3.760						
2003 275 23 18	260.302	-615.069	D	0.058	22.056	22.114	0.26	0.043	0.014	0.000
0.000 0.000 0.000	0.000	3.720	2.690	3.760						
2003 276 23 2	271.090	-617.494	D	2.195	22.056	24.252	9.95	1.648	0.516	0.008
0.007 0.005 0.011	0.000	3.720	2.690	3.760						
2003 277 23 35	273.293	-614.653	D	0.890	22.056	22.947	4.04	0.742	0.140	0.002
0.002 0.001 0.003	0.000	3.720	2.690	3.760						
2003 278 23 35	273.293	-614.653	D	0.731	22.056	22.787	3.31	0.636	0.090	0.001
0.001 0.001 0.002	0.000	3.720	2.690	3.760						
2003 279 23 9	272.589	-616.522	D	4.564	22.056	26.621	20.69	3.927	0.605	0.008
0.008 0.005 0.012	0.000	3.720	2.690	3.760						
2003 280 23 36	260.273	-614.148	D	3.028	22.056	25.085	13.73	2.615	0.394	0.005
0.004 0.003 0.007	0.000	3.720	2.690	3.760						
2003 281 23 3	271.855	-617.469	D	1.353	22.056	23.410	6.14	0.884	0.447	0.004
0.005 0.003 0.007	0.003	3.720	2.690	3.760						
2003 282 23 78	269.383	-612.012	D	0.255	22.056	22.311	1.16	0.208	0.044	0.000
0.000 0.000 0.001	0.001	3.720	2.690	3.760						
2003 283 23 79	261.714	-611.334	D	0.160	22.056	22.216	0.72	0.123	0.035	0.000
0.000 0.000 0.000	0.000	3.720	2.690	3.760						
2003 284 23 3	271.855	-617.469	D	0.183	22.056	22.240	0.83	0.157	0.025	0.000
0.000 0.000 0.000	0.000	3.720	2.690	3.760						
2003 285 23 3	271.855	-617.469	D	0.332	22.056	22.388	1.50	0.283	0.044	0.001
0.001 0.001 0.001	0.000	3.720	2.690	3.760						
2003 286 23 9	272.589	-616.522	D	0.026	22.056	22.083	0.12	0.021	0.005	0.000
0.000 0.000 0.000	0.000	3.720	2.690	3.760						

2003 287 23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760					
2003 288 23	9	272.589	-616.522	D	0.399	22.056	22.455	1.81	0.374	0.016	0.002
0.002	0.001	0.003	0.000	3.720	2.690	3.760					
2003 289 23	35	273.293	-614.653	D	0.043	22.056	22.099	0.19	0.036	0.006	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760					
2003 290 23	3	271.855	-617.469	D	0.003	22.056	22.060	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760					
2003 291 23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760					
2003 292 23	2	271.090	-617.494	D	0.075	22.056	22.131	0.34	0.063	0.011	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760					
2003 293 23	3	271.855	-617.469	D	0.135	22.056	22.191	0.61	0.113	0.020	0.000
0.000	0.000	0.001	0.000	3.720	2.690	3.760					
2003 294 23	1	270.326	-617.519	D	0.007	22.056	22.064	0.03	0.006	0.001	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760					
2003 295 23	18	260.302	-615.069	D	0.003	22.056	22.060	0.02	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760					
2003 296 23	9	272.589	-616.522	D	0.726	22.056	22.782	3.29	0.645	0.068	0.003
0.003	0.002	0.005	0.000	3.720	2.690	3.760					
2003 297 23	52	272.499	-613.757	D	0.135	22.056	22.191	0.61	0.130	0.004	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760					
2003 298 23	3	271.855	-617.469	D	0.015	22.056	22.071	0.07	0.013	0.002	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760					
2003 299 23	2	271.090	-617.494	D	0.000	22.056	22.057	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760					
2003 300 23	3	271.855	-617.469	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760					
2003 301 23	3	271.855	-617.469	D	0.002	22.056	22.058	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760					
2003 302 23	9	272.589	-616.522	D	0.241	22.056	22.297	1.09	0.215	0.023	0.001
0.001	0.000	0.001	0.000	3.720	2.690	3.760					
2003 303 23	35	273.293	-614.653	D	0.247	22.056	22.303	1.12	0.184	0.056	0.001
0.001	0.001	0.002	0.001	3.720	2.690	3.760					
2003 304 23	3	271.855	-617.469	D	2.371	22.056	24.428	10.75	1.641	0.671	0.013
0.013	0.009	0.020	0.005	3.720	2.690	3.760					
2003 305 23	19	261.066	-615.046	D	1.277	22.027	23.304	5.80	0.745	0.490	0.008
0.007	0.005	0.011	0.011	3.680	2.670	3.770					
2003 306 23	35	273.293	-614.653	D	1.084	22.027	23.111	4.92	0.786	0.266	0.006
0.006	0.004	0.009	0.007	3.680	2.670	3.770					
2003 307 23	35	273.293	-614.653	D	0.311	22.027	22.338	1.41	0.185	0.119	0.002
0.002	0.001	0.003	0.000	3.680	2.670	3.770					
2003 308 23	35	273.293	-614.653	D	0.001	22.027	22.028	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 309 23	35	273.293	-614.653	D	0.007	22.027	22.034	0.03	0.005	0.002	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 310 23	3	271.855	-617.469	D	0.002	22.027	22.029	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 311 23	3	271.855	-617.469	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 312 23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 313 23	36	260.273	-614.148	D	0.515	22.027	22.542	2.34	0.284	0.224	0.002
0.002	0.001	0.002	0.000	3.680	2.670	3.770					
2003 314 23	79	261.714	-611.334	D	0.309	22.027	22.336	1.40	0.272	0.035	0.001
0.001	0.000	0.001	0.000	3.680	2.670	3.770					

2003 315 23	78	269.383	-612.012	D	0.259	22.027	22.286	1.17	0.249	0.008	0.000
0.000	0.000	0.001	0.000	3.680	2.670	3.770					
2003 316 23	3	271.855	-617.469	D	0.001	22.027	22.028	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 317 23	18	260.302	-615.069	D	0.127	22.027	22.154	0.58	0.081	0.042	0.001
0.001	0.001	0.002	0.000	3.680	2.670	3.770					
2003 318 23	79	261.714	-611.334	D	0.729	22.027	22.756	3.31	0.513	0.206	0.002
0.002	0.002	0.004	0.000	3.680	2.670	3.770					
2003 319 23	35	273.293	-614.653	D	0.566	22.027	22.593	2.57	0.420	0.141	0.001
0.001	0.001	0.002	0.000	3.680	2.670	3.770					
2003 320 23	35	273.293	-614.653	D	0.110	22.027	22.137	0.50	0.077	0.031	0.000
0.000	0.000	0.001	0.001	3.680	2.670	3.770					
2003 321 23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 322 23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 323 23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 324 23	9	272.589	-616.522	D	0.025	22.027	22.052	0.11	0.023	0.002	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 325 23	35	273.293	-614.653	D	0.001	22.027	22.028	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 326 23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 327 23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 328 23	3	271.855	-617.469	D	1.961	22.027	23.988	8.90	0.732	1.191	0.008
0.008	0.005	0.012	0.005	3.680	2.670	3.770					
2003 329 23	35	273.293	-614.653	D	0.146	22.027	22.173	0.66	0.094	0.050	0.001
0.001	0.000	0.001	0.000	3.680	2.670	3.770					
2003 330 23	67	271.705	-612.860	D	0.158	22.027	22.185	0.72	0.096	0.056	0.000
0.001	0.000	0.001	0.004	3.680	2.670	3.770					
2003 331 23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 332 23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770					
2003 333 23	3	271.855	-617.469	D	0.129	22.027	22.156	0.59	0.080	0.047	0.001
0.001	0.000	0.001	0.000	3.680	2.670	3.770					
2003 334 23	3	271.855	-617.469	D	0.191	22.027	22.218	0.87	0.108	0.081	0.001
0.001	0.000	0.001	0.000	3.680	2.670	3.770					
2003 335 23	18	260.302	-615.069	D	0.020	22.185	22.205	0.09	0.014	0.006	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 336 23	35	273.293	-614.653	D	2.525	22.185	24.710	11.38	1.539	0.946	0.008
0.009	0.005	0.013	0.004	3.880	2.790	3.930					
2003 337 23	3	271.855	-617.469	D	0.388	22.185	22.573	1.75	0.250	0.133	0.001
0.001	0.001	0.002	0.000	3.880	2.790	3.930					
2003 338 23	3	271.855	-617.469	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 339 23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 340 23	3	271.855	-617.469	D	1.579	22.185	23.764	7.12	0.858	0.694	0.006
0.006	0.004	0.009	0.003	3.880	2.790	3.930					
2003 341 23	67	271.705	-612.860	D	0.821	22.185	23.005	3.70	0.487	0.322	0.003
0.003	0.002	0.004	0.000	3.880	2.790	3.930					
2003 342 23	78	269.383	-612.012	D	0.007	22.185	22.191	0.03	0.005	0.002	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					

2003 343 23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 344 23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 345 23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 346 23	18	260.302	-615.069	D	0.001	22.185	22.186	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 347 23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 348 23	9	272.589	-616.522	D	0.041	22.185	22.226	0.18	0.028	0.012	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 349 23	35	273.293	-614.653	D	0.001	22.185	22.186	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 350 23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 351 23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 352 23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 353 23	1	270.326	-617.519	D	0.001	22.185	22.186	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 354 23	1	270.326	-617.519	D	1.729	22.185	23.914	7.79	0.847	0.859	0.006
0.005	0.004	0.008	0.001	3.880	2.790	3.930					
2003 355 23	35	273.293	-614.653	D	0.096	22.185	22.281	0.43	0.076	0.019	0.000
0.000	0.000	0.001	0.000	3.880	2.790	3.930					
2003 356 23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 357 23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 358 23	16	270.266	-615.675	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 359 23	19	261.066	-615.046	D	0.914	22.185	23.099	4.12	0.295	0.592	0.004
0.003	0.003	0.005	0.011	3.880	2.790	3.930					
2003 360 23	35	273.293	-614.653	D	1.054	22.185	23.239	4.75	0.314	0.659	0.010
0.009	0.006	0.014	0.041	3.880	2.790	3.930					
2003 361 23	35	273.293	-614.653	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 362 23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2003 363 23	18	260.302	-615.069	D	0.019	22.185	22.203	0.08	0.009	0.010	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930					

--- Ranked Daily Visibility Change ---

START TIME

Modeled Extinction by Species

Small Large SSalt

YEAR	DAY	HR	RECEPTOR	COORDINATES (km)			TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)			
		%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)	
2003	74	23	10	265.680	-615.823	D	6.278	21.600	27.878	29.06	4.400	1.764	0.027
		0.025	0.017	0.039	0.007	3.140	2.370	3.310	1				
2003	279	23	9	272.589	-616.522	D	4.564	22.056	26.621	20.69	3.927	0.605	0.008
		0.008	0.005	0.012	0.000	3.720	2.690	3.760	2				
2003	267	23	18	260.302	-615.069	D	4.280	22.067	26.348	19.40	3.449	0.789	0.011
		0.010	0.007	0.015	0.000	3.730	2.710	3.820	3				
2003	241	23	3	271.855	-617.469	D	4.081	21.896	25.977	18.64	2.267	1.761	0.012

0.012	0.008	0.018	0.002	3.510	2.600	3.680	4										
2003	39	23	18	260.302	-615.069	D	3.630	21.835	25.465	16.63	2.431	1.119	0.005				
0.006	0.003	0.008	0.057	3.440	2.530	3.520	5										
2003	280	23	36	260.273	-614.148	D	3.028	22.056	25.085	13.73	2.615	0.394	0.005				
0.004	0.003	0.007	0.000	3.720	2.690	3.760	6										
2003	195	23	71	264.035	-612.184	D	2.883	21.881	24.764	13.17	2.053	0.759	0.014				
0.012	0.009	0.020	0.016	3.490	2.590	3.690	7										
2003	173	23	35	273.293	-614.653	D	2.849	22.055	24.904	12.92	2.681	0.117	0.012				
0.012	0.008	0.018	0.001	3.710	2.710	3.880	8										
2003	43	23	18	260.302	-615.069	D	2.728	21.835	24.563	12.50	1.457	1.171	0.011				
0.010	0.007	0.016	0.057	3.440	2.530	3.520	9										
2003	75	23	18	260.302	-615.069	D	2.695	21.600	24.295	12.48	1.948	0.698	0.012				
0.011	0.007	0.017	0.001	3.140	2.370	3.310	10										
2003	185	23	79	261.714	-611.334	D	2.506	21.881	24.388	11.45	2.287	0.204	0.004				
0.004	0.002	0.006	0.000	3.490	2.590	3.690	11										
2003	336	23	35	273.293	-614.653	D	2.525	22.185	24.710	11.38	1.539	0.946	0.008				
0.009	0.005	0.013	0.004	3.880	2.790	3.930	12										
2003	304	23	3	271.855	-617.469	D	2.371	22.056	24.428	10.75	1.641	0.671	0.013				
0.013	0.009	0.020	0.005	3.720	2.690	3.760	13										
2003	62	23	9	272.589	-616.522	D	2.271	21.600	23.871	10.51	1.628	0.608	0.007				
0.007	0.005	0.011	0.006	3.140	2.370	3.310	14										
2003	15	23	79	261.714	-611.334	D	2.312	22.161	24.472	10.43	1.312	0.974	0.006				
0.006	0.004	0.009	0.002	3.850	2.770	3.900	15										
2003	63	23	35	273.293	-614.653	D	2.200	21.600	23.800	10.19	1.626	0.563	0.003				
0.003	0.002	0.004	0.000	3.140	2.370	3.310	16										
2003	276	23	2	271.090	-617.494	D	2.195	22.056	24.252	9.95	1.648	0.516	0.008				
0.007	0.005	0.011	0.000	3.720	2.690	3.760	17										
2003	238	23	67	271.705	-612.860	D	2.147	21.896	24.043	9.81	1.540	0.588	0.005				
0.004	0.003	0.007	0.000	3.510	2.600	3.680	18										
2003	76	23	18	260.302	-615.069	D	2.084	21.600	23.684	9.65	1.101	0.904	0.012				
0.010	0.008	0.016	0.033	3.140	2.370	3.310	19										
2003	268	23	79	261.714	-611.334	D	2.063	22.067	24.131	9.35	1.756	0.290	0.004				
0.004	0.003	0.006	0.000	3.730	2.710	3.820	20										
2003	252	23	35	273.293	-614.653	D	2.018	22.067	24.085	9.14	1.520	0.466	0.007				
0.007	0.005	0.011	0.001	3.730	2.710	3.820	21										
2003	66	23	35	273.293	-614.653	D	1.967	21.600	23.567	9.11	1.508	0.434	0.005				
0.006	0.004	0.009	0.002	3.140	2.370	3.310	22										
2003	132	23	15	269.502	-615.700	D	1.976	22.015	23.991	8.97	1.598	0.337	0.010				
0.009	0.006	0.014	0.001	3.660	2.680	3.830	23										
2003	328	23	3	271.855	-617.469	D	1.961	22.027	23.988	8.90	0.732	1.191	0.008				
0.008	0.005	0.012	0.005	3.680	2.670	3.770	24										
2003	266	23	18	260.302	-615.069	D	1.873	22.067	23.940	8.49	1.700	0.152	0.005				
0.005	0.003	0.008	0.000	3.730	2.710	3.820	25										
2003	65	23	1	270.326	-617.519	D	1.832	21.600	23.432	8.48	1.514	0.285	0.007				
0.006	0.004	0.010	0.005	3.140	2.370	3.310	26										
2003	237	23	18	260.302	-615.069	D	1.768	21.896	23.663	8.07	1.343	0.406	0.005				
0.004	0.003	0.007	0.000	3.510	2.600	3.680	27										
2003	354	23	1	270.326	-617.519	D	1.729	22.185	23.914	7.79	0.847	0.859	0.006				
0.005	0.004	0.008	0.001	3.880	2.790	3.930	28										
2003	184	23	1	270.326	-617.519	D	1.618	21.881	23.499	7.39	1.529	0.077	0.003				
0.003	0.002	0.004	0.000	3.490	2.590	3.690	29										
2003	174	23	35	273.293	-614.653	D	1.615	22.055	23.671	7.32	1.504	0.074	0.009				
0.008	0.005	0.013	0.002	3.710	2.710	3.880	30										
2003	340	23	3	271.855	-617.469	D	1.579	22.185	23.764	7.12	0.858	0.694	0.006				
0.006	0.004	0.009	0.003	3.880	2.790	3.930	31										
2003	69	23	18	260.302	-615.069	D	1.472	21.600	23.072	6.82	1.012	0.438	0.005				

24HR VISIBILITY

VISIB BOESNCFG

(deciview)

START TIME		% of Modeled Extinction by Species																			
YEAR	DAY	HR	RECEPTOR	COORDINATES (km)			TYPE	DV(Total)	DV(BKG)	DELTA	DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)
2002	365	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930																	
2003	1	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900																	
2003	2	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900																	
2003	3	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900																	
2003	4	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900																	
2003	5	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900																	
2003	6	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900																	
2003	7	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900																	
2003	8	23	3	271.855	-617.469	D	8.033	7.957	0.075	76.20	22.73	0.24	0.27	0.16							
0.40	0.00	3.850	2.770	3.900																	
2003	9	23	3	271.855	-617.469	D	7.958	7.957	0.001	75.90	23.11	0.23	0.25	0.14							
0.36	0.00	3.850	2.770	3.900																	
2003	10	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900																	
2003	11	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900																	
2003	12	23	18	260.302	-615.069	D	7.958	7.957	0.001	92.77	7.14	0.02	0.01	0.01							
0.02	0.00	3.850	2.770	3.900																	
2003	13	23	18	260.302	-615.069	D	7.980	7.957	0.023	93.12	6.84	0.01	0.01	0.01							
0.01	0.00	3.850	2.770	3.900																	
2003	14	23	18	260.302	-615.069	D	8.316	7.957	0.359	55.19	43.39	0.32	0.30	0.20							
0.46	0.14	3.850	2.770	3.900																	
2003	15	23	79	261.714	-611.334	D	8.950	7.957	0.992	56.73	42.12	0.25	0.26	0.16							
0.39	0.08	3.850	2.770	3.900																	
2003	16	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900																	
2003	17	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900																	
2003	18	23	18	260.302	-615.069	D	7.957	7.957	0.000	86.43	13.49	0.00	0.01	0.02							
0.02	0.00	3.850	2.770	3.900																	
2003	19	23	18	260.302	-615.069	D	7.959	7.957	0.001	82.43	17.49	0.01	0.01	0.01							
0.02	0.00	3.850	2.770	3.900																	

2003	20	23	35	273.293	-614.653	D	7.959	7.957	0.001	79.59	20.33	0.02	0.01	0.01
0.01	0.00	3.850	2.770	3.900										
2003	21	23	2	271.090	-617.494	D	7.958	7.957	0.001	76.65	23.28	0.03	0.00	0.01
0.01	0.00	3.850	2.770	3.900										
2003	22	23	1	270.326	-617.519	D	7.957	7.957	0.000	77.53	22.13	0.00	0.00	0.01
0.01	0.00	3.850	2.770	3.900										
2003	23	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	24	23	18	260.302	-615.069	D	7.995	7.957	0.038	47.39	51.30	0.27	0.31	0.18
0.46	0.08	3.850	2.770	3.900										
2003	25	23	18	260.302	-615.069	D	8.265	7.957	0.308	52.59	46.43	0.24	0.22	0.16
0.35	0.02	3.850	2.770	3.900										
2003	26	23	18	260.302	-615.069	D	8.492	7.957	0.534	55.96	42.68	0.34	0.28	0.21
0.45	0.09	3.850	2.770	3.900										
2003	27	23	79	261.714	-611.334	D	8.617	7.957	0.659	64.08	34.92	0.22	0.23	0.15
0.35	0.04	3.850	2.770	3.900										
2003	28	23	18	260.302	-615.069	D	8.525	7.957	0.568	76.70	22.90	0.09	0.09	0.06
0.14	0.00	3.850	2.770	3.900										
2003	29	23	1	270.326	-617.519	D	7.967	7.957	0.010	79.57	20.02	0.10	0.09	0.06
0.15	0.00	3.850	2.770	3.900										
2003	30	23	3	271.855	-617.469	D	7.994	7.957	0.037	84.44	15.22	0.08	0.08	0.05
0.12	0.00	3.850	2.770	3.900										
2003	31	23	3	271.855	-617.469	D	7.966	7.957	0.009	86.95	12.74	0.08	0.07	0.05
0.11	0.00	3.850	2.770	3.900										
2003	32	23	3	271.855	-617.469	D	7.850	7.809	0.041	89.47	10.14	0.09	0.10	0.06
0.15	0.00	3.440	2.530	3.520										
2003	33	23	9	272.589	-616.522	D	7.831	7.809	0.022	90.38	9.23	0.10	0.09	0.06
0.14	0.00	3.440	2.530	3.520										
2003	34	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	35	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	36	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	37	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	38	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	39	23	18	260.302	-615.069	D	9.347	7.809	1.538	66.97	30.83	0.14	0.15	0.09
0.23	1.58	3.440	2.530	3.520										
2003	40	23	9	272.589	-616.522	D	8.183	7.809	0.374	73.63	25.46	0.09	0.11	0.06
0.16	0.48	3.440	2.530	3.520										
2003	41	23	3	271.855	-617.469	D	7.846	7.809	0.037	89.93	9.64	0.10	0.11	0.06
0.16	0.00	3.440	2.530	3.520										
2003	42	23	3	271.855	-617.469	D	7.852	7.809	0.042	87.84	11.71	0.10	0.11	0.07
0.17	0.00	3.440	2.530	3.520										
2003	43	23	18	260.302	-615.069	D	8.987	7.809	1.177	53.39	42.93	0.39	0.37	0.25
0.57	2.10	3.440	2.530	3.520										
2003	44	23	67	271.705	-612.860	D	7.872	7.809	0.063	63.20	34.87	0.25	0.22	0.16
0.34	0.97	3.440	2.530	3.520										
2003	45	23	1	270.326	-617.519	D	7.809	7.809	0.000	39.58	44.79	0.00	0.00	0.00
0.00	3.76	3.440	2.530	3.520										
2003	46	23	35	273.293	-614.653	D	7.809	7.809	0.000	35.35	62.14	0.00	0.00	0.00
0.00	2.44	3.440	2.530	3.520										
2003	47	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										

2003	48	23	35	273.293	-614.653	D	7.880	7.809	0.071	73.03	24.66	0.51	0.58	0.34
	0.85	0.03	3.440	2.530	3.520									
2003	49	23	35	273.293	-614.653	D	8.037	7.809	0.228	84.52	15.02	0.09	0.09	0.06
	0.13	0.09	3.440	2.530	3.520									
2003	50	23	2	271.090	-617.494	D	8.001	7.809	0.192	69.51	29.37	0.09	0.08	0.06
	0.13	0.76	3.440	2.530	3.520									
2003	51	23	19	261.066	-615.046	D	7.856	7.809	0.046	34.83	58.76	0.02	0.01	0.01
	0.02	6.35	3.440	2.530	3.520									
2003	52	23	18	260.302	-615.069	D	7.809	7.809	0.000	64.08	31.64	0.00	0.04	0.02
	0.05	4.03	3.440	2.530	3.520									
2003	53	23	35	273.293	-614.653	D	8.430	7.809	0.621	51.72	45.76	0.46	0.41	0.29
	0.65	0.71	3.440	2.530	3.520									
2003	54	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.440	2.530	3.520									
2003	55	23	2	271.090	-617.494	D	7.810	7.809	0.001	81.36	18.13	0.10	0.12	0.07
	0.18	0.02	3.440	2.530	3.520									
2003	56	23	3	271.855	-617.469	D	7.866	7.809	0.056	80.33	19.14	0.12	0.13	0.08
	0.19	0.01	3.440	2.530	3.520									
2003	57	23	3	271.855	-617.469	D	7.816	7.809	0.007	88.50	11.22	0.06	0.07	0.04
	0.10	0.01	3.440	2.530	3.520									
2003	58	23	3	271.855	-617.469	D	7.810	7.809	0.001	94.30	5.52	0.02	0.04	0.02
	0.06	0.00	3.440	2.530	3.520									
2003	59	23	3	271.855	-617.469	D	7.812	7.809	0.003	93.94	5.92	0.03	0.03	0.02
	0.05	0.00	3.440	2.530	3.520									
2003	60	23	3	271.855	-617.469	D	7.701	7.701	0.000	92.08	7.63	0.05	0.05	0.03
	0.07	0.00	3.140	2.370	3.310									
2003	61	23	18	260.302	-615.069	D	7.702	7.701	0.001	85.73	14.10	0.03	0.04	0.03
	0.07	0.00	3.140	2.370	3.310									
2003	62	23	9	272.589	-616.522	D	8.701	7.701	1.000	71.68	26.76	0.31	0.31	0.20
	0.47	0.26	3.140	2.370	3.310									
2003	63	23	35	273.293	-614.653	D	8.671	7.701	0.970	73.88	25.60	0.13	0.11	0.08
	0.18	0.02	3.140	2.370	3.310									
2003	64	23	9	272.589	-616.522	D	7.874	7.701	0.173	76.66	22.79	0.14	0.13	0.09
	0.20	0.00	3.140	2.370	3.310									
2003	65	23	1	270.326	-617.519	D	8.515	7.701	0.814	82.65	15.53	0.39	0.34	0.25
	0.54	0.30	3.140	2.370	3.310									
2003	66	23	35	273.293	-614.653	D	8.573	7.701	0.872	76.64	22.05	0.28	0.29	0.18
	0.43	0.12	3.140	2.370	3.310									
2003	67	23	1	270.326	-617.519	D	7.813	7.701	0.112	82.17	17.23	0.14	0.14	0.09
	0.22	0.00	3.140	2.370	3.310									
2003	68	23	1	270.326	-617.519	D	7.758	7.701	0.057	85.49	13.98	0.13	0.13	0.08
	0.20	0.00	3.140	2.370	3.310									
2003	69	23	18	260.302	-615.069	D	8.360	7.701	0.659	68.73	29.78	0.37	0.35	0.24
	0.54	0.00	3.140	2.370	3.310									
2003	70	23	79	261.714	-611.334	D	8.091	7.701	0.390	82.07	17.04	0.23	0.20	0.14
	0.32	0.00	3.140	2.370	3.310									
2003	71	23	36	260.273	-614.148	D	7.724	7.701	0.023	87.99	11.03	0.21	0.26	0.14
	0.37	0.00	3.140	2.370	3.310									
2003	72	23	18	260.302	-615.069	D	7.704	7.701	0.003	92.17	7.32	0.11	0.13	0.07
	0.19	0.00	3.140	2.370	3.310									
2003	73	23	18	260.302	-615.069	D	8.028	7.701	0.327	79.84	18.73	0.35	0.33	0.23
	0.52	0.00	3.140	2.370	3.310									
2003	74	23	10	265.680	-615.823	D	10.252	7.701	2.551	70.09	28.10	0.43	0.40	0.27
	0.62	0.11	3.140	2.370	3.310									
2003	75	23	18	260.302	-615.069	D	8.877	7.701	1.176	72.29	25.91	0.43	0.42	0.28
	0.64	0.03	3.140	2.370	3.310									

2003	76	23	18	260.302	-615.069	D	8.622	7.701	0.921	52.83	43.40	0.57	0.50	0.36
	0.79	1.56	3.140	2.370	3.310									
2003	77	23	35	273.293	-614.653	D	7.702	7.701	0.001	15.65	80.70	0.00	0.00	0.00
	0.01	3.61	3.140	2.370	3.310									
2003	78	23	3	271.855	-617.469	D	7.702	7.701	0.001	87.67	12.02	0.00	0.00	0.00
	0.00	0.31	3.140	2.370	3.310									
2003	79	23	1	270.326	-617.519	D	7.701	7.701	0.000	75.00	3.12	0.00	0.00	0.00
	0.00	0.03	3.140	2.370	3.310									
2003	80	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.140	2.370	3.310									
2003	81	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.140	2.370	3.310									
2003	82	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.140	2.370	3.310									
2003	83	23	3	271.855	-617.469	D	7.701	7.701	0.000	83.50	15.70	0.21	0.20	0.14
	0.31	0.00	3.140	2.370	3.310									
2003	84	23	3	271.855	-617.469	D	7.708	7.701	0.007	89.57	9.67	0.19	0.18	0.12
	0.28	0.00	3.140	2.370	3.310									
2003	85	23	35	273.293	-614.653	D	7.865	7.701	0.164	83.84	14.84	0.29	0.30	0.19
	0.45	0.09	3.140	2.370	3.310									
2003	86	23	35	273.293	-614.653	D	7.723	7.701	0.022	88.51	10.84	0.17	0.15	0.11
	0.23	0.00	3.140	2.370	3.310									
2003	87	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.140	2.370	3.310									
2003	88	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.140	2.370	3.310									
2003	89	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.140	2.370	3.310									
2003	90	23	3	271.855	-617.469	D	7.702	7.701	0.001	89.95	8.62	0.35	0.34	0.23
	0.52	0.00	3.140	2.370	3.310									
2003	91	23	9	272.589	-616.522	D	7.746	7.738	0.008	84.89	13.88	0.30	0.29	0.19
	0.44	0.00	3.240	2.430	3.410									
2003	92	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.240	2.430	3.410									
2003	93	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.240	2.430	3.410									
2003	94	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.240	2.430	3.410									
2003	95	23	18	260.302	-615.069	D	8.075	7.738	0.337	67.35	29.15	0.30	0.28	0.19
	0.44	2.28	3.240	2.430	3.410									
2003	96	23	67	271.705	-612.860	D	8.336	7.738	0.598	74.39	24.50	0.16	0.18	0.11
	0.27	0.39	3.240	2.430	3.410									
2003	97	23	3	271.855	-617.469	D	7.745	7.738	0.007	78.96	20.49	0.13	0.13	0.09
	0.20	0.01	3.240	2.430	3.410									
2003	98	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.240	2.430	3.410									
2003	99	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.240	2.430	3.410									
2003	100	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.240	2.430	3.410									
2003	101	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.240	2.430	3.410									
2003	102	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.240	2.430	3.410									
2003	103	23	3	271.855	-617.469	D	7.743	7.738	0.005	82.65	16.59	0.19	0.17	0.12
	0.27	0.00	3.240	2.430	3.410									

2003	104	23	35	273.293	-614.653	D	7.828	7.738	0.090	87.80	11.39	0.19	0.20	0.12
				0.30	0.00									
				3.240	2.430									
2003	105	23	33	271.765	-614.703	D	7.738	7.738	0.000	92.05	3.12	0.00	0.19	0.13
				0.29	0.00									
				3.240	2.430									
2003	106	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.240	2.430									
2003	107	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.240	2.430									
2003	108	23	35	273.293	-614.653	D	7.748	7.738	0.010	76.94	21.68	0.29	0.30	0.19
				0.45	0.17									
				3.240	2.430									
2003	109	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.240	2.430									
2003	110	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.240	2.430									
2003	111	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.240	2.430									
2003	112	23	18	260.302	-615.069	D	7.837	7.738	0.099	77.29	20.94	0.43	0.33	0.27
				0.55	0.20									
				3.240	2.430									
2003	113	23	9	272.589	-616.522	D	7.790	7.738	0.052	32.79	61.52	0.49	0.50	0.32
				0.75	3.63									
				3.240	2.430									
2003	114	23	67	271.705	-612.860	D	7.738	7.738	0.000	86.54	11.42	0.00	0.03	0.02
				0.05	0.10									
				3.240	2.430									
2003	115	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.240	2.430									
2003	116	23	18	260.302	-615.069	D	7.992	7.738	0.254	90.42	7.32	0.61	0.49	0.38
				0.79	0.00									
				3.240	2.430									
2003	117	23	9	272.589	-616.522	D	8.095	7.738	0.357	91.14	7.55	0.32	0.31	0.20
				0.47	0.00									
				3.240	2.430									
2003	118	23	35	273.293	-614.653	D	8.097	7.738	0.359	76.34	22.43	0.29	0.30	0.19
				0.45	0.00									
				3.240	2.430									
2003	119	23	7	271.060	-616.572	D	7.738	7.738	0.000	62.50	0.00	0.00	0.04	0.09
				0.11	0.00									
				3.240	2.430									
2003	120	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.240	2.430									
2003	121	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.660	2.680									
2003	122	23	9	272.589	-616.522	D	7.894	7.892	0.003	86.92	11.91	0.26	0.30	0.18
				0.44	0.00									
				3.660	2.680									
2003	123	23	35	273.293	-614.653	D	7.899	7.892	0.007	88.31	10.49	0.26	0.31	0.18
				0.45	0.00									
				3.660	2.680									
2003	124	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.660	2.680									
2003	125	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.660	2.680									
2003	126	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.660	2.680									
2003	127	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.660	2.680									
2003	128	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.660	2.680									
2003	129	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.660	2.680									
2003	130	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.660	2.680									
2003	131	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.660	2.680									

2003	132	23	15	269.502	-615.700	D	8.751	7.892	0.859	80.87	17.05	0.52	0.45	0.33
	0.71	0.07	3.660	2.680	3.830									
2003	133	23	79	261.714	-611.334	D	7.894	7.892	0.003	91.04	8.63	0.08	0.08	0.05
	0.12	0.00	3.660	2.680	3.830									
2003	134	23	35	273.293	-614.653	D	7.945	7.892	0.053	66.32	32.41	0.04	0.04	0.03
	0.06	1.11	3.660	2.680	3.830									
2003	135	23	78	269.383	-612.012	D	7.893	7.892	0.001	91.36	8.39	0.04	0.06	0.04
	0.09	0.02	3.660	2.680	3.830									
2003	136	23	36	260.273	-614.148	D	7.896	7.892	0.004	31.44	65.43	0.00	0.00	0.00
	0.01	3.11	3.660	2.680	3.830									
2003	137	23	18	260.302	-615.069	D	7.893	7.892	0.001	90.01	9.94	0.02	0.01	0.01
	0.02	0.00	3.660	2.680	3.830									
2003	138	23	1	270.326	-617.519	D	7.899	7.892	0.008	89.71	10.23	0.01	0.01	0.01
	0.02	0.00	3.660	2.680	3.830									
2003	139	23	9	272.589	-616.522	D	7.900	7.892	0.009	86.67	13.26	0.02	0.02	0.01
	0.03	0.00	3.660	2.680	3.830									
2003	140	23	3	271.855	-617.469	D	7.896	7.892	0.004	93.34	6.53	0.03	0.03	0.02
	0.04	0.00	3.660	2.680	3.830									
2003	141	23	18	260.302	-615.069	D	7.892	7.892	0.001	96.56	3.35	0.03	0.02	0.01
	0.03	0.00	3.660	2.680	3.830									
2003	142	23	36	260.273	-614.148	D	7.899	7.892	0.008	94.66	4.64	0.15	0.18	0.10
	0.27	0.00	3.660	2.680	3.830									
2003	143	23	36	260.273	-614.148	D	7.915	7.892	0.023	91.27	8.03	0.16	0.17	0.11
	0.26	0.00	3.660	2.680	3.830									
2003	144	23	3	271.855	-617.469	D	7.933	7.892	0.041	87.96	11.30	0.17	0.18	0.11
	0.27	0.00	3.660	2.680	3.830									
2003	145	23	1	270.326	-617.519	D	7.899	7.892	0.008	87.13	12.25	0.17	0.13	0.11
	0.21	0.00	3.660	2.680	3.830									
2003	146	23	18	260.302	-615.069	D	7.892	7.892	0.001	91.74	7.93	0.11	0.08	0.07
	0.13	0.00	3.660	2.680	3.830									
2003	147	23	18	260.302	-615.069	D	7.892	7.892	0.000	96.29	3.26	0.07	0.08	0.07
	0.13	0.00	3.660	2.680	3.830									
2003	148	23	18	260.302	-615.069	D	7.892	7.892	0.000	97.29	2.39	0.07	0.06	0.05
	0.10	0.00	3.660	2.680	3.830									
2003	149	23	18	260.302	-615.069	D	7.909	7.892	0.017	99.03	0.56	0.10	0.10	0.06
	0.15	0.00	3.660	2.680	3.830									
2003	150	23	1	270.326	-617.519	D	8.033	7.892	0.142	96.89	2.63	0.12	0.11	0.08
	0.17	0.00	3.660	2.680	3.830									
2003	151	23	18	260.302	-615.069	D	8.046	7.892	0.154	94.86	4.55	0.15	0.14	0.09
	0.21	0.00	3.660	2.680	3.830									
2003	152	23	35	273.293	-614.653	D	7.978	7.910	0.068	93.60	5.81	0.15	0.14	0.10
	0.21	0.00	3.710	2.710	3.880									
2003	153	23	35	273.293	-614.653	D	7.912	7.910	0.002	90.27	9.31	0.11	0.09	0.07
	0.14	0.00	3.710	2.710	3.880									
2003	154	23	18	260.302	-615.069	D	7.910	7.910	0.001	74.79	24.19	0.26	0.23	0.16
	0.35	0.00	3.710	2.710	3.880									
2003	155	23	18	260.302	-615.069	D	7.981	7.910	0.072	73.82	25.21	0.24	0.23	0.15
	0.35	0.00	3.710	2.710	3.880									
2003	156	23	18	260.302	-615.069	D	7.916	7.910	0.006	91.96	7.63	0.10	0.09	0.07
	0.14	0.01	3.710	2.710	3.880									
2003	157	23	1	270.326	-617.519	D	7.914	7.910	0.004	96.77	3.04	0.05	0.04	0.03
	0.06	0.00	3.710	2.710	3.880									
2003	158	23	3	271.855	-617.469	D	7.911	7.910	0.001	98.18	1.72	0.02	0.02	0.02
	0.04	0.00	3.710	2.710	3.880									
2003	159	23	3	271.855	-617.469	D	7.967	7.910	0.057	94.04	4.71	0.34	0.27	0.21
	0.44	0.00	3.710	2.710	3.880									

2003	160	23	35	273.293	-614.653	D	8.083	7.910	0.173	96.54	2.47	0.24	0.23	0.16
	0.36	0.00	3.710	2.710	3.880									
2003	161	23	35	273.293	-614.653	D	7.910	7.910	0.000	97.26	2.01	0.15	0.12	0.05
	0.15	0.00	3.710	2.710	3.880									
2003	162	23	18	260.302	-615.069	D	7.910	7.910	0.000	99.74	0.33	0.00	0.00	0.00
	0.01	0.00	3.710	2.710	3.880									
2003	163	23	18	260.302	-615.069	D	7.910	7.910	0.000	99.49	0.66	0.00	0.00	0.00
	0.00	0.00	3.710	2.710	3.880									
2003	164	23	1	270.326	-617.519	D	7.910	7.910	0.000	103.12	0.52	0.00	0.00	0.00
	0.00	0.00	3.710	2.710	3.880									
2003	165	23	1	270.326	-617.519	D	7.910	7.910	0.000	93.75	0.39	0.00	0.00	0.00
	0.00	0.00	3.710	2.710	3.880									
2003	166	23	9	272.589	-616.522	D	7.919	7.910	0.009	84.37	15.19	0.10	0.11	0.06
	0.16	0.00	3.710	2.710	3.880									
2003	167	23	35	273.293	-614.653	D	8.333	7.910	0.424	84.04	15.56	0.08	0.08	0.05
	0.12	0.07	3.710	2.710	3.880									
2003	168	23	18	260.302	-615.069	D	8.080	7.910	0.171	83.21	16.56	0.05	0.05	0.03
	0.08	0.02	3.710	2.710	3.880									
2003	169	23	18	260.302	-615.069	D	7.919	7.910	0.009	94.30	5.60	0.02	0.02	0.02
	0.04	0.00	3.710	2.710	3.880									
2003	170	23	18	260.302	-615.069	D	7.912	7.910	0.003	95.09	4.85	0.01	0.01	0.01
	0.02	0.00	3.710	2.710	3.880									
2003	171	23	18	260.302	-615.069	D	7.917	7.910	0.007	98.31	1.60	0.02	0.02	0.01
	0.03	0.00	3.710	2.710	3.880									
2003	172	23	18	260.302	-615.069	D	8.029	7.910	0.120	91.16	7.49	0.35	0.30	0.22
	0.48	0.00	3.710	2.710	3.880									
2003	173	23	35	273.293	-614.653	D	9.125	7.910	1.215	94.10	4.11	0.43	0.41	0.28
	0.63	0.04	3.710	2.710	3.880									
2003	174	23	35	273.293	-614.653	D	8.616	7.910	0.707	93.13	4.56	0.53	0.51	0.34
	0.78	0.15	3.710	2.710	3.880									
2003	175	23	35	273.293	-614.653	D	8.216	7.910	0.306	95.51	2.33	0.52	0.51	0.34
	0.78	0.02	3.710	2.710	3.880									
2003	176	23	35	273.293	-614.653	D	7.933	7.910	0.023	76.85	20.15	0.69	0.68	0.45
	1.04	0.13	3.710	2.710	3.880									
2003	177	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.710	2.710	3.880									
2003	178	23	1	270.326	-617.519	D	7.910	7.910	0.000	50.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.710	2.710	3.880									
2003	179	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.710	2.710	3.880									
2003	180	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.710	2.710	3.880									
2003	181	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.710	2.710	3.880									
2003	182	23	18	260.302	-615.069	D	7.836	7.830	0.005	95.35	4.10	0.14	0.13	0.09
	0.20	0.00	3.490	2.590	3.690									
2003	183	23	18	260.302	-615.069	D	7.877	7.830	0.047	93.68	5.58	0.17	0.18	0.11
	0.27	0.00	3.490	2.590	3.690									
2003	184	23	1	270.326	-617.519	D	8.544	7.830	0.713	94.54	4.76	0.17	0.17	0.11
	0.26	0.00	3.490	2.590	3.690									
2003	185	23	79	261.714	-611.334	D	8.915	7.830	1.084	91.25	8.14	0.15	0.14	0.10
	0.22	0.00	3.490	2.590	3.690									
2003	186	23	78	269.383	-612.012	D	7.850	7.830	0.019	96.72	2.73	0.13	0.13	0.09
	0.20	0.00	3.490	2.590	3.690									
2003	187	23	3	271.855	-617.469	D	7.912	7.830	0.082	96.43	1.71	0.45	0.43	0.29
	0.67	0.01	3.490	2.590	3.690									

2003	188	23	35	273.293	-614.653	D	8.083	7.830	0.253	89.83	7.93	0.54	0.53	0.35
	0.81	0.02	3.490	2.590	3.690									
2003	189	23	18	260.302	-615.069	D	7.831	7.830	0.000	97.08	1.56	0.00	0.03	0.05
	0.07	0.00	3.490	2.590	3.690									
2003	190	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.490	2.590	3.690									
2003	191	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.490	2.590	3.690									
2003	192	23	3	271.855	-617.469	D	7.875	7.830	0.045	90.69	8.02	0.40	0.23	0.24
	0.42	0.00	3.490	2.590	3.690									
2003	193	23	9	272.589	-616.522	D	7.846	7.830	0.015	80.51	18.55	0.35	0.12	0.20
	0.28	0.00	3.490	2.590	3.690									
2003	194	23	3	271.855	-617.469	D	8.292	7.830	0.462	88.58	10.51	0.23	0.21	0.14
	0.33	0.00	3.490	2.590	3.690									
2003	195	23	71	264.035	-612.184	D	9.068	7.830	1.238	71.22	26.32	0.49	0.43	0.31
	0.68	0.57	3.490	2.590	3.690									
2003	196	23	35	273.293	-614.653	D	8.157	7.830	0.326	79.88	18.16	0.48	0.45	0.31
	0.69	0.04	3.490	2.590	3.690									
2003	197	23	35	273.293	-614.653	D	7.941	7.830	0.110	94.43	4.45	0.29	0.25	0.18
	0.40	0.00	3.490	2.590	3.690									
2003	198	23	35	273.293	-614.653	D	7.872	7.830	0.041	93.34	5.67	0.23	0.24	0.15
	0.36	0.00	3.490	2.590	3.690									
2003	199	23	9	272.589	-616.522	D	7.836	7.830	0.005	93.92	5.20	0.19	0.23	0.13
	0.34	0.00	3.490	2.590	3.690									
2003	200	23	3	271.855	-617.469	D	7.841	7.830	0.010	94.88	4.44	0.17	0.16	0.11
	0.25	0.00	3.490	2.590	3.690									
2003	201	23	3	271.855	-617.469	D	7.832	7.830	0.001	97.66	1.71	0.17	0.15	0.10
	0.23	0.00	3.490	2.590	3.690									
2003	202	23	3	271.855	-617.469	D	7.830	7.830	0.000	95.83	0.83	0.00	0.07	0.06
	0.12	0.00	3.490	2.590	3.690									
2003	203	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.490	2.590	3.690									
2003	204	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.490	2.590	3.690									
2003	205	23	18	260.302	-615.069	D	8.222	7.830	0.391	73.39	25.28	0.33	0.31	0.21
	0.48	0.00	3.490	2.590	3.690									
2003	206	23	79	261.714	-611.334	D	8.330	7.830	0.499	85.87	13.03	0.27	0.26	0.17
	0.40	0.00	3.490	2.590	3.690									
2003	207	23	35	273.293	-614.653	D	7.892	7.830	0.061	93.76	5.67	0.14	0.14	0.09
	0.21	0.00	3.490	2.590	3.690									
2003	208	23	35	273.293	-614.653	D	7.831	7.830	0.000	96.86	2.56	0.16	0.08	0.05
	0.13	0.00	3.490	2.590	3.690									
2003	209	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.490	2.590	3.690									
2003	210	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.490	2.590	3.690									
2003	211	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.490	2.590	3.690									
2003	212	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.490	2.590	3.690									
2003	213	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.510	2.600	3.680									
2003	214	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.510	2.600	3.680									
2003	215	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.510	2.600	3.680									

2003	216	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2003	217	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2003	218	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2003	219	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2003	220	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2003	221	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2003	222	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2003	223	23	3	271.855	-617.469	D	7.838	7.837	0.001	92.39	6.84	0.16	0.20	0.10	
0.29	0.00	3.510	2.600	3.680											
2003	224	23	3	271.855	-617.469	D	7.844	7.837	0.007	90.08	9.36	0.11	0.15	0.08	
0.22	0.00	3.510	2.600	3.680											
2003	225	23	3	271.855	-617.469	D	8.011	7.837	0.174	84.92	13.52	0.37	0.36	0.24	
0.55	0.04	3.510	2.600	3.680											
2003	226	23	35	273.293	-614.653	D	7.964	7.837	0.127	87.86	11.39	0.18	0.18	0.12	
0.27	0.00	3.510	2.600	3.680											
2003	227	23	67	271.705	-612.860	D	8.020	7.837	0.182	94.41	5.05	0.13	0.13	0.09	
0.20	0.00	3.510	2.600	3.680											
2003	228	23	3	271.855	-617.469	D	7.996	7.837	0.159	96.26	3.33	0.10	0.10	0.06	
0.15	0.00	3.510	2.600	3.680											
2003	229	23	18	260.302	-615.069	D	7.955	7.837	0.118	92.93	6.68	0.09	0.09	0.06	
0.14	0.00	3.510	2.600	3.680											
2003	230	23	18	260.302	-615.069	D	8.205	7.837	0.368	98.02	0.89	0.27	0.26	0.17	
0.40	0.00	3.510	2.600	3.680											
2003	231	23	18	260.302	-615.069	D	8.439	7.837	0.602	97.16	2.02	0.20	0.19	0.13	
0.30	0.00	3.510	2.600	3.680											
2003	232	23	35	273.293	-614.653	D	8.258	7.837	0.421	95.81	3.47	0.18	0.17	0.11	
0.26	0.00	3.510	2.600	3.680											
2003	233	23	9	272.589	-616.522	D	8.489	7.837	0.652	95.77	3.54	0.17	0.16	0.11	
0.25	0.00	3.510	2.600	3.680											
2003	234	23	1	270.326	-617.519	D	8.348	7.837	0.511	97.55	1.68	0.18	0.19	0.12	
0.28	0.00	3.510	2.600	3.680											
2003	235	23	18	260.302	-615.069	D	8.024	7.837	0.187	96.84	2.44	0.17	0.17	0.11	
0.26	0.00	3.510	2.600	3.680											
2003	236	23	18	260.302	-615.069	D	7.931	7.837	0.094	97.69	1.61	0.17	0.16	0.11	
0.25	0.00	3.510	2.600	3.680											
2003	237	23	18	260.302	-615.069	D	8.613	7.837	0.776	75.98	22.96	0.26	0.25	0.17	
0.39	0.00	3.510	2.600	3.680											
2003	238	23	67	271.705	-612.860	D	8.773	7.837	0.936	71.72	27.39	0.22	0.21	0.14	
0.32	0.00	3.510	2.600	3.680											
2003	239	23	67	271.705	-612.860	D	7.893	7.837	0.055	84.82	14.43	0.19	0.18	0.12	
0.27	0.00	3.510	2.600	3.680											
2003	240	23	3	271.855	-617.469	D	7.853	7.837	0.016	78.61	19.65	0.42	0.41	0.27	
0.63	0.00	3.510	2.600	3.680											
2003	241	23	3	271.855	-617.469	D	9.546	7.837	1.709	55.54	43.16	0.31	0.29	0.20	
0.45	0.05	3.510	2.600	3.680											
2003	242	23	18	260.302	-615.069	D	7.873	7.837	0.036	29.58	64.27	0.75	0.47	0.45	
0.82	3.66	3.510	2.600	3.680											
2003	243	23	78	269.383	-612.012	D	8.010	7.837	0.173	55.02	39.85	0.60	0.55	0.38	
0.86	2.72	3.510	2.600	3.680											

2003	244	23	3	271.855	-617.469	D	7.958	7.915	0.043	46.86	50.63	0.01	0.01	0.00
	0.01	2.49	3.730	2.710	3.820									
2003	245	23	3	271.855	-617.469	D	7.948	7.915	0.033	74.01	25.75	0.02	0.02	0.01
	0.03	0.15	3.730	2.710	3.820									
2003	246	23	1	270.326	-617.519	D	7.916	7.915	0.001	84.56	15.31	0.03	0.02	0.01
	0.02	0.02	3.730	2.710	3.820									
2003	247	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.730	2.710	3.820									
2003	248	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.730	2.710	3.820									
2003	249	23	1	270.326	-617.519	D	7.915	7.915	0.000	81.25	6.25	0.00	0.00	0.00
	0.00	0.00	3.730	2.710	3.820									
2003	250	23	3	271.855	-617.469	D	7.916	7.915	0.001	88.91	10.36	0.17	0.18	0.11
	0.26	0.00	3.730	2.710	3.820									
2003	251	23	1	270.326	-617.519	D	7.965	7.915	0.050	91.74	7.53	0.16	0.18	0.11
	0.27	0.00	3.730	2.710	3.820									
2003	252	23	35	273.293	-614.653	D	8.790	7.915	0.875	75.33	23.11	0.36	0.36	0.24
	0.55	0.04	3.730	2.710	3.820									
2003	253	23	35	273.293	-614.653	D	8.011	7.915	0.096	90.24	7.39	0.57	0.56	0.37
	0.85	0.03	3.730	2.710	3.820									
2003	254	23	67	271.705	-612.860	D	7.941	7.915	0.026	65.14	28.03	0.12	0.19	0.09
	0.26	6.17	3.730	2.710	3.820									
2003	255	23	80	262.478	-611.310	D	7.924	7.915	0.009	59.73	39.83	0.01	0.01	0.01
	0.02	0.40	3.730	2.710	3.820									
2003	256	23	35	273.293	-614.653	D	7.924	7.915	0.009	56.67	43.00	0.01	0.01	0.01
	0.02	0.29	3.730	2.710	3.820									
2003	257	23	1	270.326	-617.519	D	7.915	7.915	0.000	100.00	1.56	0.00	0.02	0.01
	0.03	0.00	3.730	2.710	3.820									
2003	258	23	1	270.326	-617.519	D	7.915	7.915	0.000	98.21	1.34	0.00	0.03	0.01
	0.04	0.00	3.730	2.710	3.820									
2003	259	23	36	260.273	-614.148	D	7.951	7.915	0.036	83.67	14.63	0.41	0.40	0.27
	0.62	0.00	3.730	2.710	3.820									
2003	260	23	36	260.273	-614.148	D	8.178	7.915	0.263	89.03	9.50	0.35	0.35	0.23
	0.54	0.00	3.730	2.710	3.820									
2003	261	23	9	272.589	-616.522	D	7.947	7.915	0.032	86.75	12.14	0.27	0.27	0.17
	0.40	0.00	3.730	2.710	3.820									
2003	262	23	3	271.855	-617.469	D	7.984	7.915	0.069	89.05	10.08	0.21	0.21	0.14
	0.32	0.00	3.730	2.710	3.820									
2003	263	23	79	261.714	-611.334	D	7.995	7.915	0.080	89.95	9.24	0.20	0.19	0.13
	0.30	0.00	3.730	2.710	3.820									
2003	264	23	18	260.302	-615.069	D	7.924	7.915	0.009	89.86	9.61	0.15	0.11	0.09
	0.18	0.00	3.730	2.710	3.820									
2003	265	23	36	260.273	-614.148	D	7.941	7.915	0.026	92.40	7.08	0.15	0.11	0.09
	0.18	0.00	3.730	2.710	3.820									
2003	266	23	18	260.302	-615.069	D	8.730	7.915	0.815	90.75	8.11	0.28	0.27	0.18
	0.41	0.00	3.730	2.710	3.820									
2003	267	23	18	260.302	-615.069	D	9.688	7.915	1.773	80.57	18.43	0.25	0.23	0.16
	0.36	0.00	3.730	2.710	3.820									
2003	268	23	79	261.714	-611.334	D	8.809	7.915	0.894	85.08	14.05	0.22	0.20	0.14
	0.31	0.00	3.730	2.710	3.820									
2003	269	23	18	260.302	-615.069	D	8.015	7.915	0.100	82.23	16.89	0.21	0.21	0.14
	0.32	0.00	3.730	2.710	3.820									
2003	270	23	1	270.326	-617.519	D	7.915	7.915	0.000	91.31	8.16	0.07	0.09	0.07
	0.15	0.00	3.730	2.710	3.820									
2003	271	23	18	260.302	-615.069	D	7.916	7.915	0.001	94.75	4.87	0.12	0.05	0.07
	0.10	0.00	3.730	2.710	3.820									

2003	272	23	36	260.273	-614.148	D	7.916	7.915	0.001	93.48	6.23	0.12	0.04	0.07
	0.10	0.00	3.730	2.710	3.820									
2003	273	23	36	260.273	-614.148	D	7.916	7.915	0.001	92.44	7.25	0.11	0.04	0.07
	0.09	0.00	3.730	2.710	3.820									
2003	274	23	18	260.302	-615.069	D	7.911	7.910	0.001	92.65	7.07	0.10	0.04	0.07
	0.09	0.00	3.720	2.690	3.760									
2003	275	23	18	260.302	-615.069	D	7.936	7.910	0.026	73.60	24.74	0.45	0.35	0.28
	0.58	0.00	3.720	2.690	3.760									
2003	276	23	2	271.090	-617.494	D	8.859	7.910	0.949	75.08	23.50	0.36	0.33	0.23
	0.51	0.00	3.720	2.690	3.760									
2003	277	23	35	273.293	-614.653	D	8.306	7.910	0.396	83.33	15.72	0.24	0.22	0.15
	0.34	0.00	3.720	2.690	3.760									
2003	278	23	35	273.293	-614.653	D	8.236	7.910	0.326	87.01	12.28	0.17	0.17	0.11
	0.26	0.00	3.720	2.690	3.760									
2003	279	23	9	272.589	-616.522	D	9.791	7.910	1.881	86.04	13.25	0.17	0.17	0.11
	0.25	0.00	3.720	2.690	3.760									
2003	280	23	36	260.273	-614.148	D	9.197	7.910	1.287	86.36	13.02	0.15	0.15	0.10
	0.23	0.00	3.720	2.690	3.760									
2003	281	23	3	271.855	-617.469	D	8.506	7.910	0.595	65.36	33.05	0.30	0.34	0.20
	0.50	0.25	3.720	2.690	3.760									
2003	282	23	78	269.383	-612.012	D	8.025	7.910	0.115	81.76	17.35	0.13	0.14	0.08
	0.21	0.32	3.720	2.690	3.760									
2003	283	23	79	261.714	-611.334	D	7.982	7.910	0.072	77.14	22.14	0.16	0.16	0.10
	0.24	0.05	3.720	2.690	3.760									
2003	284	23	3	271.855	-617.469	D	7.993	7.910	0.083	85.86	13.61	0.12	0.13	0.08
	0.19	0.01	3.720	2.690	3.760									
2003	285	23	3	271.855	-617.469	D	8.059	7.910	0.149	85.39	13.30	0.32	0.29	0.21
	0.45	0.05	3.720	2.690	3.760									
2003	286	23	9	272.589	-616.522	D	7.922	7.910	0.012	79.93	19.02	0.26	0.24	0.17
	0.37	0.02	3.720	2.690	3.760									
2003	287	23	1	270.326	-617.519	D	7.910	7.910	0.000	98.30	0.57	0.00	0.01	0.01
	0.01	0.00	3.720	2.690	3.760									
2003	288	23	9	272.589	-616.522	D	8.089	7.910	0.179	93.90	4.05	0.48	0.50	0.32
	0.75	0.00	3.720	2.690	3.760									
2003	289	23	35	273.293	-614.653	D	7.929	7.910	0.019	83.66	14.97	0.33	0.33	0.21
	0.50	0.00	3.720	2.690	3.760									
2003	290	23	3	271.855	-617.469	D	7.912	7.910	0.001	87.77	11.87	0.09	0.08	0.06
	0.13	0.00	3.720	2.690	3.760									
2003	291	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.720	2.690	3.760									
2003	292	23	2	271.090	-617.494	D	7.944	7.910	0.034	84.56	14.17	0.32	0.29	0.21
	0.46	0.00	3.720	2.690	3.760									
2003	293	23	3	271.855	-617.469	D	7.971	7.910	0.061	84.01	14.86	0.28	0.27	0.18
	0.41	0.00	3.720	2.690	3.760									
2003	294	23	1	270.326	-617.519	D	7.913	7.910	0.003	84.57	14.56	0.21	0.21	0.14
	0.32	0.00	3.720	2.690	3.760									
2003	295	23	18	260.302	-615.069	D	7.912	7.910	0.002	94.32	4.88	0.21	0.19	0.13
	0.30	0.00	3.720	2.690	3.760									
2003	296	23	9	272.589	-616.522	D	8.234	7.910	0.324	88.83	9.33	0.45	0.43	0.29
	0.66	0.00	3.720	2.690	3.760									
2003	297	23	52	272.499	-613.757	D	7.971	7.910	0.061	96.09	3.14	0.18	0.18	0.12
	0.28	0.00	3.720	2.690	3.760									
2003	298	23	3	271.855	-617.469	D	7.917	7.910	0.007	87.17	12.08	0.18	0.18	0.12
	0.28	0.00	3.720	2.690	3.760									
2003	299	23	2	271.090	-617.494	D	7.910	7.910	0.000	89.14	10.11	0.14	0.09	0.09
	0.17	0.00	3.720	2.690	3.760									

2003	300	23	3	271.855	-617.469	D	7.910	7.910	0.000	91.32	6.08	0.00	0.08	0.09
				0.15	0.00									
				3.720	2.690									
2003	301	23	3	271.855	-617.469	D	7.911	7.910	0.001	93.98	4.63	0.35	0.34	0.23
				0.52	0.00									
				3.720	2.690									
2003	302	23	9	272.589	-616.522	D	8.019	7.910	0.109	89.05	9.74	0.29	0.29	0.19
				0.44	0.00									
				3.720	2.690									
2003	303	23	35	273.293	-614.653	D	8.021	7.910	0.111	74.50	22.90	0.54	0.58	0.35
				0.87	0.26									
				3.720	2.690									
2003	304	23	3	271.855	-617.469	D	8.931	7.910	1.021	69.20	28.31	0.56	0.55	0.36
				0.84	0.19									
				3.720	2.690									
2003	305	23	19	261.066	-615.046	D	8.460	7.897	0.564	58.32	38.38	0.61	0.56	0.39
				0.87	0.87									
				3.680	2.670									
2003	306	23	35	273.293	-614.653	D	8.377	7.897	0.481	72.46	24.53	0.58	0.54	0.37
				0.84	0.67									
				3.680	2.670									
2003	307	23	35	273.293	-614.653	D	8.037	7.897	0.140	59.37	38.11	0.60	0.59	0.39
				0.90	0.04									
				3.680	2.670									
2003	308	23	35	273.293	-614.653	D	7.897	7.897	0.000	70.96	27.69	0.20	0.42	0.17
				0.57	0.00									
				3.680	2.670									
2003	309	23	35	273.293	-614.653	D	7.900	7.897	0.003	69.24	29.66	0.25	0.28	0.17
				0.41	0.00									
				3.680	2.670									
2003	310	23	3	271.855	-617.469	D	7.898	7.897	0.001	85.14	14.52	0.06	0.09	0.06
				0.14	0.00									
				3.680	2.670									
2003	311	23	3	271.855	-617.469	D	7.897	7.897	0.000	84.38	13.93	0.00	0.13	0.10
				0.21	0.00									
				3.680	2.670									
2003	312	23	1	270.326	-617.519	D	7.897	7.897	0.000	56.25	3.12	0.00	0.03	0.01
				0.04	0.00									
				3.680	2.670									
2003	313	23	36	260.273	-614.148	D	8.128	7.897	0.231	55.16	43.53	0.31	0.31	0.20
				0.47	0.01									
				3.680	2.670									
2003	314	23	79	261.714	-611.334	D	8.036	7.897	0.139	87.93	11.30	0.18	0.19	0.12
				0.28	0.00									
				3.680	2.670									
2003	315	23	78	269.383	-612.012	D	8.014	7.897	0.117	96.12	3.20	0.18	0.14	0.11
				0.23	0.00									
				3.680	2.670									
2003	316	23	3	271.855	-617.469	D	7.897	7.897	0.001	88.50	10.93	0.17	0.08	0.11
				0.16	0.00									
				3.680	2.670									
2003	317	23	18	260.302	-615.069	D	7.955	7.897	0.058	63.39	33.23	0.80	0.78	0.52
				1.20	0.09									
				3.680	2.670									
2003	318	23	79	261.714	-611.334	D	8.223	7.897	0.326	70.30	28.30	0.34	0.33	0.22
				0.50	0.01									
				3.680	2.670									
2003	319	23	35	273.293	-614.653	D	8.151	7.897	0.254	74.13	24.83	0.25	0.25	0.16
				0.38	0.00									
				3.680	2.670									
2003	320	23	35	273.293	-614.653	D	7.947	7.897	0.050	69.63	28.22	0.22	0.41	0.17
				0.54	0.82									
				3.680	2.670									
2003	321	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.680	2.670									
2003	322	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.680	2.670									
2003	323	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.680	2.670									
2003	324	23	9	272.589	-616.522	D	7.908	7.897	0.011	91.25	6.79	0.48	0.46	0.31
				0.70	0.00									
				3.680	2.670									
2003	325	23	35	273.293	-614.653	D	7.897	7.897	0.001	85.66	12.60	0.47	0.39	0.29
				0.63	0.00									
				3.680	2.670									
2003	326	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.680	2.670									
2003	327	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00									
				3.680	2.670									

2003	328	23	3	271.855	-617.469	D	8.750	7.897	0.853	37.35	60.74	0.42	0.39	0.27
				0.60	0.24	3.680	2.670	3.770						
2003	329	23	35	273.293	-614.653	D	7.963	7.897	0.066	64.27	34.16	0.38	0.37	0.24
				0.56	0.02	3.680	2.670	3.770						
2003	330	23	67	271.705	-612.860	D	7.968	7.897	0.071	60.63	35.71	0.24	0.36	0.17
				0.50	2.40	3.680	2.670	3.770						
2003	331	23	1	270.326	-617.519	D	7.897	7.897	0.000	78.12	23.44	0.00	0.26	0.18
				0.40	0.01	3.680	2.670	3.770						
2003	332	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.680	2.670	3.770						
2003	333	23	3	271.855	-617.469	D	7.955	7.897	0.059	62.09	36.10	0.43	0.43	0.28
				0.66	0.01	3.680	2.670	3.770						
2003	334	23	3	271.855	-617.469	D	7.983	7.897	0.087	56.21	42.21	0.39	0.37	0.25
				0.57	0.00	3.680	2.670	3.770						
2003	335	23	18	260.302	-615.069	D	7.977	7.968	0.009	67.11	31.53	0.33	0.32	0.21
				0.50	0.00	3.880	2.790	3.930						
2003	336	23	35	273.293	-614.653	D	9.046	7.968	1.078	60.96	37.49	0.33	0.34	0.22
				0.52	0.15	3.880	2.790	3.930						
2003	337	23	3	271.855	-617.469	D	8.142	7.968	0.173	64.47	34.39	0.28	0.27	0.18
				0.41	0.01	3.880	2.790	3.930						
2003	338	23	3	271.855	-617.469	D	7.968	7.968	0.000	77.14	21.68	0.16	0.23	0.15
				0.35	0.00	3.880	2.790	3.930						
2003	339	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.880	2.790	3.930						
2003	340	23	3	271.855	-617.469	D	8.656	7.968	0.688	54.31	43.92	0.40	0.37	0.25
				0.57	0.18	3.880	2.790	3.930						
2003	341	23	67	271.705	-612.860	D	8.331	7.968	0.363	59.38	39.28	0.32	0.31	0.21
				0.48	0.02	3.880	2.790	3.930						
2003	342	23	78	269.383	-612.012	D	7.971	7.968	0.003	73.63	24.57	0.42	0.44	0.27
				0.66	0.00	3.880	2.790	3.930						
2003	343	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.880	2.790	3.930						
2003	344	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.880	2.790	3.930						
2003	345	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.880	2.790	3.930						
2003	346	23	18	260.302	-615.069	D	7.969	7.968	0.000	48.89	50.07	0.05	0.01	0.02
				0.02	0.97	3.880	2.790	3.930						
2003	347	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.880	2.790	3.930						
2003	348	23	9	272.589	-616.522	D	7.987	7.968	0.018	69.31	30.44	0.05	0.05	0.04
				0.08	0.03	3.880	2.790	3.930						
2003	349	23	35	273.293	-614.653	D	7.969	7.968	0.001	69.14	30.01	0.19	0.18	0.13
				0.28	0.00	3.880	2.790	3.930						
2003	350	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.880	2.790	3.930						
2003	351	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.880	2.790	3.930						
2003	352	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	3.880	2.790	3.930						
2003	353	23	1	270.326	-617.519	D	7.969	7.968	0.000	47.63	50.64	0.40	0.39	0.25
				0.59	0.11	3.880	2.790	3.930						
2003	354	23	1	270.326	-617.519	D	8.719	7.968	0.751	48.97	49.66	0.34	0.31	0.21
				0.48	0.03	3.880	2.790	3.930						
2003	355	23	35	273.293	-614.653	D	8.011	7.968	0.043	79.14	19.40	0.36	0.34	0.23
				0.53	0.00	3.880	2.790	3.930						

2003	356	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930											
2003	357	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930											
2003	358	23	16	270.266	-615.675	D	7.968	7.968	0.000	36.79	62.48	0.17	0.08	0.16	
0.20	0.11	3.880	2.790	3.930											
2003	359	23	19	261.066	-615.046	D	8.372	7.968	0.404	32.24	64.81	0.48	0.36	0.29	
0.59	1.23	3.880	2.790	3.930											
2003	360	23	35	273.293	-614.653	D	8.433	7.968	0.464	29.81	62.50	0.93	0.88	0.59	
1.36	3.93	3.880	2.790	3.930											
2003	361	23	35	273.293	-614.653	D	7.968	7.968	0.000	55.60	32.75	0.71	2.65	0.80	
3.32	4.54	3.880	2.790	3.930											
2003	362	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930											
2003	363	23	18	260.302	-615.069	D	7.977	7.968	0.008	46.13	51.80	0.50	0.44	0.32	
0.69	0.12	3.880	2.790	3.930											

--- Ranked Daily Visibility Change ---

START TIME														% of Modeled Extinction by Species		
Small Large SSalt																
YEAR	DAY	HR	RECEPTOR	COORDINATES (km)			TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4					
%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)								
2003	74	23	10	265.680	-615.823	D	10.252	7.701	2.551	70.09	28.10	0.43	0.40	0.27		
0.62	0.11	3.140	2.370	3.310	1											
2003	279	23	9	272.589	-616.522	D	9.791	7.910	1.881	86.04	13.25	0.17	0.17	0.11		
0.25	0.00	3.720	2.690	3.760	2											
2003	267	23	18	260.302	-615.069	D	9.688	7.915	1.773	80.57	18.43	0.25	0.23	0.16		
0.36	0.00	3.730	2.710	3.820	3											
2003	241	23	3	271.855	-617.469	D	9.546	7.837	1.709	55.54	43.16	0.31	0.29	0.20		
0.45	0.05	3.510	2.600	3.680	4											
2003	39	23	18	260.302	-615.069	D	9.347	7.809	1.538	66.97	30.83	0.14	0.15	0.09		
0.23	1.58	3.440	2.530	3.520	5											
2003	280	23	36	260.273	-614.148	D	9.197	7.910	1.287	86.36	13.02	0.15	0.15	0.10		
0.23	0.00	3.720	2.690	3.760	6											
2003	195	23	71	264.035	-612.184	D	9.068	7.830	1.238	71.22	26.32	0.49	0.43	0.31		
0.68	0.57	3.490	2.590	3.690	7											
2003	173	23	35	273.293	-614.653	D	9.125	7.910	1.215	94.10	4.11	0.43	0.41	0.28		
0.63	0.04	3.710	2.710	3.880	8											
2003	43	23	18	260.302	-615.069	D	8.987	7.809	1.177	53.39	42.93	0.39	0.37	0.25		
0.57	2.10	3.440	2.530	3.520	9											
2003	75	23	18	260.302	-615.069	D	8.877	7.701	1.176	72.29	25.91	0.43	0.42	0.28		
0.64	0.03	3.140	2.370	3.310	10											
2003	185	23	79	261.714	-611.334	D	8.915	7.830	1.084	91.25	8.14	0.15	0.14	0.10		
0.22	0.00	3.490	2.590	3.690	11											
2003	336	23	35	273.293	-614.653	D	9.046	7.968	1.078	60.96	37.49	0.33	0.34	0.22		
0.52	0.15	3.880	2.790	3.930	12											
2003	304	23	3	271.855	-617.469	D	8.931	7.910	1.021	69.20	28.31	0.56	0.55	0.36		
0.84	0.19	3.720	2.690	3.760	13											
2003	62	23	9	272.589	-616.522	D	8.701	7.701	1.000	71.68	26.76	0.31	0.31	0.20		
0.47	0.26	3.140	2.370	3.310	14											
2003	15	23	79	261.714	-611.334	D	8.950	7.957	0.992	56.73	42.12	0.25	0.26	0.16		
0.39	0.08	3.850	2.770	3.900	15											
2003	63	23	35	273.293	-614.653	D	8.671	7.701	0.970	73.88	25.60	0.13	0.11	0.08		
0.18	0.02	3.140	2.370	3.310	16											
2003	276	23	2	271.090	-617.494	D	8.859	7.910	0.949	75.08	23.50	0.36	0.33	0.23		

0.51	0.00	3.720	2.690	3.760	17										
2003	238	23	67	271.705	-612.860	D	8.773	7.837	0.936	71.72	27.39	0.22	0.21	0.14	
0.32	0.00	3.510	2.600	3.680	18										
2003	76	23	18	260.302	-615.069	D	8.622	7.701	0.921	52.83	43.40	0.57	0.50	0.36	
0.79	1.56	3.140	2.370	3.310	19										
2003	268	23	79	261.714	-611.334	D	8.809	7.915	0.894	85.08	14.05	0.22	0.20	0.14	
0.31	0.00	3.730	2.710	3.820	20										
2003	252	23	35	273.293	-614.653	D	8.790	7.915	0.875	75.33	23.11	0.36	0.36	0.24	
0.55	0.04	3.730	2.710	3.820	21										
2003	66	23	35	273.293	-614.653	D	8.573	7.701	0.872	76.64	22.05	0.28	0.29	0.18	
0.43	0.12	3.140	2.370	3.310	22										
2003	132	23	15	269.502	-615.700	D	8.751	7.892	0.859	80.87	17.05	0.52	0.45	0.33	
0.71	0.07	3.660	2.680	3.830	23										
2003	328	23	3	271.855	-617.469	D	8.750	7.897	0.853	37.35	60.74	0.42	0.39	0.27	
0.60	0.24	3.680	2.670	3.770	24										
2003	266	23	18	260.302	-615.069	D	8.730	7.915	0.815	90.75	8.11	0.28	0.27	0.18	
0.41	0.00	3.730	2.710	3.820	25										
2003	65	23	1	270.326	-617.519	D	8.515	7.701	0.814	82.65	15.53	0.39	0.34	0.25	
0.54	0.30	3.140	2.370	3.310	26										
2003	237	23	18	260.302	-615.069	D	8.613	7.837	0.776	75.98	22.96	0.26	0.25	0.17	
0.39	0.00	3.510	2.600	3.680	27										
2003	354	23	1	270.326	-617.519	D	8.719	7.968	0.751	48.97	49.66	0.34	0.31	0.21	
0.48	0.03	3.880	2.790	3.930	28										
2003	184	23	1	270.326	-617.519	D	8.544	7.830	0.713	94.54	4.76	0.17	0.17	0.11	
0.26	0.00	3.490	2.590	3.690	29										
2003	174	23	35	273.293	-614.653	D	8.616	7.910	0.707	93.13	4.56	0.53	0.51	0.34	
0.78	0.15	3.710	2.710	3.880	30										
2003	340	23	3	271.855	-617.469	D	8.656	7.968	0.688	54.31	43.92	0.40	0.37	0.25	
0.57	0.18	3.880	2.790	3.930	31										
2003	69	23	18	260.302	-615.069	D	8.360	7.701	0.659	68.73	29.78	0.37	0.35	0.24	
0.54	0.00	3.140	2.370	3.310	32										
2003	27	23	79	261.714	-611.334	D	8.617	7.957	0.659	64.08	34.92	0.22	0.23	0.15	
0.35	0.04	3.850	2.770	3.900	33										
2003	233	23	9	272.589	-616.522	D	8.489	7.837	0.652	95.77	3.54	0.17	0.16	0.11	
0.25	0.00	3.510	2.600	3.680	34										
2003	53	23	35	273.293	-614.653	D	8.430	7.809	0.621	51.72	45.76	0.46	0.41	0.29	
0.65	0.71	3.440	2.530	3.520	35										
2003	231	23	18	260.302	-615.069	D	8.439	7.837	0.602	97.16	2.02	0.20	0.19	0.13	
0.30	0.00	3.510	2.600	3.680	36										
2003	96	23	67	271.705	-612.860	D	8.336	7.738	0.598	74.39	24.50	0.16	0.18	0.11	
0.27	0.39	3.240	2.430	3.410	37										
2003	281	23	3	271.855	-617.469	D	8.506	7.910	0.595	65.36	33.05	0.30	0.34	0.20	
0.50	0.25	3.720	2.690	3.760	38										
2003	28	23	18	260.302	-615.069	D	8.525	7.957	0.568	76.70	22.90	0.09	0.09	0.06	
0.14	0.00	3.850	2.770	3.900	39										
2003	305	23	19	261.066	-615.046	D	8.460	7.897	0.564	58.32	38.38	0.61	0.56	0.39	
0.87	0.87	3.680	2.670	3.770	40										
2003	26	23	18	260.302	-615.069	D	8.492	7.957	0.534	55.96	42.68	0.34	0.28	0.21	
0.45	0.09	3.850	2.770	3.900	41										
2003	234	23	1	270.326	-617.519	D	8.348	7.837	0.511	97.55	1.68	0.18	0.19	0.12	
0.28	0.00	3.510	2.600	3.680	42										

--- Number of days with Delta-Deciview => 0.50: 42
--- Number of days with Delta-Deciview => 1.00: 14
--- Largest Delta-Deciview = 2.551

CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(deciview)

RECEPTOR COORDINATES (km) TYPE DV(Total) DV(BKG) DELTA DV

2 271.090 -617.494 D 8.025 7.864 0.161

--- Number of recs with Delta-Deciview > 0.10: 80

--- Largest Delta-Deciview = 0.161